



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 31] नई दिल्ली, शनिवार, जुलाई 30, 1994 (श्रावण 8, 1916)  
No. 31] NEW DELHI, SATURDAY, JULY 30, 1994 (SRAVANA 8, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 30th July 1994

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Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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## पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 30 जुलाई 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अधिष्ठित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांजी इस्टेब,  
तीसरा तल, लोकर परले (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमम तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,  
61, पालाशाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनिविवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-  
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायगी अथवा  
उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
डाक आदेश या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा बैंक द्वारा की जा सकती है ।

## CORRIGENDUM

In the Gazette of India, Part-III, Sec.-2, dated the 6th  
November, 1993 page-921, Col.-1 for application for patent  
No. 272/Cal/91 filed on 9th April, 1991 read the complete  
Specification left on 25th October, 1991.

## ALTERATION OF DATE UNDER SECTION 16

173861 Filed on 01 September 1989.  
(780 Del 1989) Ante-Dated to 07 Nov. 1986

173866 Filed on 12-2-1990.  
(119 Del 1990) Ante-Dated to 31-12-1987.

The application No. 151/BOM/1992 (173886) has been  
ante dated to 21-08-1989 under Section 16 of the Patents Act,  
1970.

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates clai-  
med under section 135. of the Patent Act. 1970.

31st May, 1994

410/Cal/94. Whetlabrator Engineered systems, Inc. Method  
and apparatus for separating solids from aliquid.

1st June, 1994

411/Cal/94. Kwahak International Co., Ltd.  
Artificial insemination and embryo transfer device.

2nd June, 1994

412/Cal/94. Krone Aktiengesellschaft. Terminal block for  
high thansmission rates in the telecommunication  
and data technique.

3rd June, 1994

413/Cal/94. American Cyanamid Company. Alkoxymethy-  
lation of pytroles.

414/Cal/94. Biokat Corporation. Gasification methot of low  
calorific value solid fuels to produce beneficially  
electric energy in a process running pollution free.

6th June, 1994

415/Cal/94. Thomson Consumer Electrics, Inc. Timing of  
deflection waveform correction circuit.

416/Cal/94. Hoechst Celanese Corporation. Process for  
preparing phenethanol ethers.

417/Cal/94. Metallgesellschaft Aktiengesellschaft. Process  
of treating the gasification residue formed by the  
gasification of solid fuels in a fluidized bed.

418/Cal/94. Bertek, Inc. (Formerly known as MLI Acquisi-  
tion Corp. II). Foam Laminate transdermal patch.

419/Cal/94. Anju Agencies Pvt. Ltd. Method for making novel particle Boards, particle boards thereby produced and kit comprising such boards.

420/Cal/94. Pfanni-werke GmbH & Co. Kg. Sprout Inhibitor for potatoes.

7th June, 1994

421/Cal/94. Asimave Roy Choudhury and Rupam Deb. Portable Infusion Pump.

422/Cal/94. Cytec Technology Corp. Compositions and methods for improving performance during separation of solids from liquid particulate dispersions.

423/Cal/94. (1) Dr. Mahendra Patel, (2) Dr. Jagdish chandra Panigrahi, (3) Sri Kishore chandra Choudhury. Use of calcium carbonate in acid sizing of paper-manufacturing.

424/Cal/94. Johnson Electric S. A., Armature end protector for a wound rotor.

8th June, 1994

425/Cal/94. Combustion Engineering, Inc., Gas Turbine combined cycle system.

426/Cal/94. Loesche GmbH, Method and apparatus for crushing material of different grain size.

427/Cal/94. E. I. Du Pont De Nemours and Company. Fire resistant fabrics with a flocked nylon surface.

428/Cal/94. DIA Tec Recycling Technologies Ltd. A process of recycling of disposable diapers and the machine components thereof.

429/Cal/94. Alan James Evans. Snorkelling Device.

430/Cal/94. Dr. Rintu Banerjee, and Prof. Bimal Chandra Bhattacharya. An industrially important thermostable tannase enzyme from a locally isolated fungus *Rhizopus Oryzae*.

9th June, 1994

431/Cal/94. Polar Fan Industries Ltd. Axi-radial Ceiling Fan.

432/Cal/94. Ameu Management Corp. Adjustment apparatus for resiliently flexible support element of a back rest.

433/Cal/94. Hansli Yberle. Transport Device.

10th June, 1994

434/Cal/94. Hoechst Celanese Corporation. Fiber reactive anthraquinone dyes.

435/Cal/94. Hoechst Celanese Corporation. Fiber reactive anthraquinone dyes.

436/Cal/94. Trutan Pty Limited. Improvements in three-dimensional imagery.

(convention No. PL9560 dated 23/06/93 in Australia.)

437/Cal/94. (1) A Ahlstrom Corporation, (2) Hismelt Corporation Pty Limited. Method and apparatus for treating hot gases.

Application for the Patent filed at patent Office Branch, Municipal Market Building, IIIrd Floor, Karol Bagh, New Delhi-110005.

14th February, 1994

163/Del/94. Council of Scientific and Industrial Research, "an Improvements in or Relating to the Passivation treatment for Electrodeposited Zinc-Nickel Alloys."

164/Del/94. Council of Scientific and Industrial Research, "A Process for the Isolation of a Immunomodulating Fraction from Tubers of *cucurbita longa*."

165/Del/94. Council of Scientific and Industrial Research, "An Improved Equipment useful for repeated impact fatigue testing."

166/Del/94. Council of Scientific and Industrial Research, "An Improved device for rotating a disc using ultrasonic vibrations."

167/Del/94. Council of Scientific and Industrial Research, "An Improved single step process for the isolation of podophyllotoxin from *P. Emodi* roots/rhizomes."

168/Del/94. The Procter & Gamble Company. "Detergent Compositions soil release Agents."

169/Del/94. Amit angsu sikdar, "Appartus for hard tissue surgery."

170/Del/94. Chief Controller, Research & Development Org., "A process for the preparation of a spermicidal Agent."

171/Del/94. Iain wallace waugh, "3-Pole Battery switches."

15th February, 1994

172/Del/94. Strix Limited, "Immersion Heaters." (Convention date 15 Feb. 93)-U. K.

173/Del/94. Asea Brown Boveri Ab, "Surge Arrester."

174/Del/94. Horst Stanitzok, "Device for Cosmetically peeling the skin."

175/Del/94. Foam concepts, Inc., "Expansion foam bore-hole plug and method."

16th February, 1994

176/Del/94. The M. W. Kellogg Company, "Fee Disengagement Apparatus."

177/Del/94. Solvay Floor and derivate GmbH, "Process for preparing ketones."

178/Del/94. E. Khashoggi Industries, "methods and systems for manufacturing packaging materials, containers, and other articles of manufacture from hydraulically settable mixtures and highly inorganically filled compositions."

179/Del/94. The Procter & Gamble Company, "Process and composition for sweet juice from cucurbitaceae fruit."

180/Del/94. The procter & gamble Company. "Sweet Beverages."

181/Del/94. Director General, National Informing Centre, Government of India, "Key pad for computer aided paperless Examination system."

182/Del/94. National Council for cement and Building materials, "A precalcinator for use with a rotary kiln."

183/Del/94. Indfos Industries Limited, "A Controller for Controlling the operation of a slave unit."

184/Del/94. Indfos Industries Limited, "A wire remote controller for controlling the operation of a slave unit."

17th February, 1994

185/Del/94. Trojan Technologies Inc., "uid treatment system and process."

186/Del/94. Agri-Vorn Patents CC, "Simplified Apparatus for forming Building Blocks."

187/Del/94. Administration des monnaies et medailles, "Method of making Bimetallic coins and medals."

188/Del/94. Bojidara grigorova, at anas palazov, John mellor, James Anthony jude tumilty, and Anthony harold gafin, "Catalyst."

18th February, 199

189/Del/94. Bh Chemicals Limited, "A Process for the production from gaseous ethane and/or ethylene of a Product."

(Convention date 5th July, 1989) U. K.

190/Del/94. Frank Wesley Moffett, JR., "A Plant Growth Composition and a Method of its preparation."

191/Del/94. Frank Wesley Moffett, Jr., "A Plant Growth Composition and a Method of its preparation."

192/Del/94. Oliver Rubber Company, "Apparatus and Method for retreading a Tire."

193/Del/94. Rohm and Haas Company, "Emulsion Polymer Blend."

21th February, 1994

194/Del/94. Indfos Industries Limited, "A Controller for Controlling the operation of a slave unit."

194/Del 94. National Institute of Immunology, "Method for termination of unwanted pregnancy by oral intake of neem extracts."

196 Del/94. Hughes Aircraft Company, "Improvements to dipole detection and localidation processing."

21th February, 1994

197/Del/94. General Electric Company, "Solid State formation of sapphire using a localized energy source."

198/Del 94. Trinity rcsearch Limited, "Apparatus for the collection and recovery of saliva for use in diagnostic assays." (Convention date 23rd February, 1993, 4th October, 1993 and 21st January, 1994)-IE.

199/Del/94. Trinity Research Limited, "Device for the processing of saliva for use in immunoassay." (Convention date 23rd February, 1993.)-IE.

22nd February, 1994

200/Del/94. Daicel Chemical Industries, Ltd, "Process for Producing highly purified acetic acid."

201/Del/94. Allegheny Ludlum Corporation, "Stainless Steel and Carbon Steel composite, and meethod of producing the same."

202/Del/94. The Procter & Gamble Company, "High active enzyme granulates." (Convention date 26-02-1993)-U. K.

203/Del/94. The Procter & Gamble Company, "Laundry additives comprising encapsulated perfumes and modified polyesters." (Convention date 26-02-1993 and 23-07-1993)-U. K.

204/Del/94. General Electric Company, "UV Absorbing Lamp Glass."

205/Del/94. Avk-seg & Controls (India) Ltd., "Electric device for fast disconnection of synchronous rotating electrical machines from the grid supply."

23th February, 1994

206/Del/94. Gec Alsthom Electromecanique sa., "A Combined gas turbine and steam turbine power plant."

24th February, 1994

207/Del/94. Council of scientific and Industrial Research, "A Method of treatment of organic wastewaters containing sulphates by anaerobic digestion with hydrogen sulphide removal by air stripping."

208/Del/94. Council of scientific and Industrial Research, "A process for the preparation of highly active and selective ammoxidation catalyst."

209/Del/94. Council of scientific and Industrial Research, "A process for the production of 1-chloro-naphthalene."

210/Del 94. Council of scientific and Industrial Research, "An improved process for the production of nitriles of heteroaromatic compounds."

24th February, 1994

211/Del/94. Council, of scientific and Industrial Research, "A process for the preparation of nitriles from carboxylic acids over zeolites."

212/Del/94. Council of scientific and Industrial Research, "A process for the preparation of a compound bearing urethane linkage useful as plasticizer for poly (vinylchloride) (PVC)."

213/Del/94. Council of scientific and Industrial Research, "A process for the preparation of improved compounded poly (vinylchloride) (PVC.)"

214/Del/94. Sony Corporation, "Inverse discrete cosine transform method, inverse discrete transform apparatus, coding appratus for moving picture, decoding apparatus for picture, information recording medium, and transmitting apparatus."

215/Del/94. Mahinedr Narain, "Improved Flat-Blade trowel for Gardening and sowing."

216/Del/94. Uop, "FCC Process using reactor riser disengager with suspended catalyst separation zone."

217/Del/94. The proctor & gamble Company, "Absorbent article with multi-functional topsheet."

25th February, 1994

218/Del/94. Mr. Raj Kiran Jain, "Improvements in or relating to pressure cookers."

219/Del 94. G. K. Kabra, "A device for determining the presence of an a-c voltage."

220/Del/94. General Singal Corporation, "Mixer systems."

221/Del/94. Motorola, Inc., "Self-Shielding microstrip assembly."

222/Del/94. Dr. Beck & Co., Aktiengesellschaft, "Solderable wire-coating compositions and process for the continuous coating of wires."

223/Del/94. Honda Giken Kogyo Kabushiki Kaisha, "Article Container structure in roofed vehicle."

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, पेटेंट को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही काइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा कोटा प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यांतरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की दृष्ट संख्या की साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक दृष्ट का लिप्यांतरण प्रभार 2/- रु. है) फोटो लिप्यांतरण प्रभार का परिकलन किया जा सकता है।

Cl. 126 D.

173851

Int. Cl. G 01 R 19/00.

“APPARATUS FOR DETECTING DISTRIBUTION OF ELECTRIC SURFACE POTENTIAL”.

Applicant : VICTOR COMPANY OF JAPAN, LTD. OF 3-12, MORIYA-CHO, KANAGAWA-KU, YOKOHAMA, JAPAN.

Inventors : ITSUO TAKANASHI, (2) SHINTARO NAKAGAGI, (3) TSUTOU ASAKURA, (4) MASTO FURUYA, (5) HIROHIKO SHINONAGA, (6) HIROMI-CHI TAI

Application No. 355/Cal/89; filed on 9th May, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

2 claims

An apparatus for detecting a distribution of a surface potential, comprising :

a recording medium;

means for generating charge latent image of an object on the recording medium;

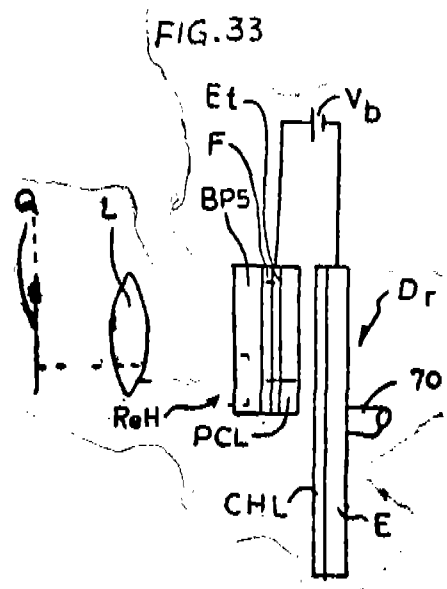
a color filter disposed between the recording medium and the object;

a sensing electrode facing the recording medium and being enabled to scan an area on the recording medium so that the sensing electrode is subjected to a voltage electrostatically induced in correspondence with the latent image on the recording medium;

means for generating an image signal on the basis of the voltage at the sensing electrode, the image-signal generating means including a floating gate field effect transistor having a gate connected to the sensing electrode;

means for deriving component color signals from the image signal; and

means for enabling the sensing electrode to scan the recording medium.



Compl. specn. 51 pages.

Drngs. 18 sheets.

Cl. 73, 74, 172 F.

173852.

Int. Cl.4 D 02 G 3/02.

“AN INTIMATE BLEND OF STAPLE FIBERS FOR MAKING YARN FOR USE IN FABRIC AS WARP YARN”

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELWARE, UNITED STATES OF AMERICA.

Inventor : JAMES RALPH GREEN.

Application No. 658/Cal/89; filed on 11th August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

5 Claims.

An intimate blend of staple fibre for making yarn to be used in fabric as warp yarn comprising 5-20% nylon staple fibers, 15-50% of heat resistant fibers such as herein described which have a Heat Resistance Time of at least 0.018 sec/g/m<sup>2</sup> and a limiting Oxygen Index of at least 25 and at least 30% of cotton fibers.

Compl. specn. 11 pages.

Drngs. Nil.

Cl. : 34 C

173853

Int. Cl.<sup>4</sup> D 01 F 1/02, 6/48.

"IMPROVED PROCESS FOR FLASH-SPINNING PLEXI-FILAMENTARY FILM-FIBRIL STRANDS OF SYNTHETIC FIBER-FORMING POLYMER".

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventor : HYUNKOK SHIN.

Application No. 715/Cal/89; filed on 31st August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

6 Claims.

An improved process for flash-spinning plexi-filamentary film-fibril strands of synthetic fiber-forming polymer wherein the polymer is mixed with a spin fluid consisting essentially of methylene chloride and a co-solvent to form a spin mixture containing 5 to 30 weight percent of polymer which mixture is then flash-spun at a pressure that is greater than the autogenous pressure of the spin fluid into a region of substantially lower temperature and pressure, the improvement comprising, in combination, the co-solvent being a halo-carbon of 1, 2 or 3 carbon atoms and at least one hydrogen atom, having a boiling point in the range of 0° to -50° C and amounting to 10 to 50 percent by weight of the spin fluid and the mixing and the flash-spinning being performed at a temperature in the range of 130° to 240° C and a pressure in the range of 500 to 5,000 psia.

Compl. specn. 24 pages.

Drgns. Nil.

Cl. 195. D.

173854

Int. Cl.<sup>4</sup> F 16 K 15/02.

"CHECK VALVE AND VALVE PLATE THEREFOR".

Applicant : STOCKHAM VALVE AUSTRALIA PTY. LTD. OF 322 SETTLEMENT ROAD, THOMASTOWN, VICTORIA, 3074, AUSTRALIA.

Inventor : HOCKING GARY ALLAN.

Application No. 761/Cal/1989; filed on 18th September, 1989.

(Convention Nos. are 0560/88/and 0561/88; dated are 21-9-88 and 21-9-88; AUSTRALIA).

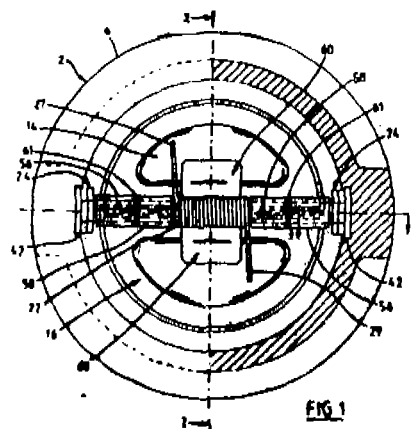
Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims

A plate for a check valve, comprising :

- (i) a generally semi-circular body;
- (ii) a valve face formed on one side of the body for engaging, in use, a valve seat of the valve; at least one hinge lug for mounting the plate on a hinge pin and
- (iv) a peripheral flange extending from said body on the opposite side to said valve seat characterized in that the body,

lug and flange are integrally plastically deformed from sheet metal.



(Compl. Specn. 10 pages

Drgns. 5 sheets)

Cl. : 127 L.

173855

Int. Cl. : F 16 H, 45/00.

A METHOD OF FORMING A DRIVE SYSTEM.

Applicant : EMITEC GESELLSCHAFT FUR EMISSIONS-TECHNOLOGIE MBH. OF HAUPTSTRASSE 150, D-5204 LOHMAR, WEST GERMANY.

Inventors :

- (1) HELMUT SWARS, AND
- (2) WOLFGANG MAUS.

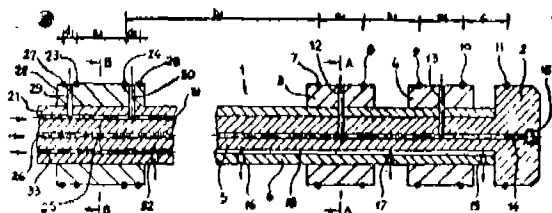
Application No. 942/Cal/89; filed on 10th November 1989.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

A method for forming a drive system which comprises attaching drive or coupling elements such as cams, gears, crank webs or bearing elements such as friction bearing bushes or complete roller bearings on tubs or tubular portions through hydraulic expansion of the tube in the region of the respective elements beyond the limit of elasticity against an elastic prestress prevailing in the respective elements by means of a pressure agent probe comprising effective portions which are associated with the respective elements, which are limited by seals and which, via a first probe borehole system, are connected to a pressure agent generator, and having intermediate portions between the individual effective portions, which are in contact with a second probe borehole system, as well as end portions adjoining the respective outermost effective portions, with the effective portions forming effective regions with the tube, with the intermediate portions forming intermediate regions with the tube and with the end portions forming end regions with the tube, characterised in that the effective regions are subjected to a high effective pressure suitable for deforming the tube beyond its limit of elasticity and that the intermediate regions and the end regions, at least in the portions on both sides of the effective regions and at least while the high effective pressure is maintained, are

subjected to a lower counter pressure which is higher than the ambient pressure and lower than the pressure required for deforming the tube beyond its limit of elasticity.



(Compl. Specn. 11 pages

Drns. 1 sheet)

Cl.: 128-E; G.

173856

Int. Cl.: A 61 L 2/12.

**EQUIPMENT AND METHOD FOR STERILISATION OF METAL SURGICAL INSTRUMENTS WITHOUT DETERIORATION OR DAMAGE.**

Applicant: GHIMAS S.P.A. OF CASALECCHIO DI RENO (BOLOGNA) ITALIA-VIA FUCINI 2, ITALY.

Inventor: VITTORIO BETTI.

Application No. 175/Cal/90; filed on 26th February 1990.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 9 Claims

An equipment for sterilisation of metal surgical instruments without deterioration or damage, or for destruction of hazardous instruments by incineration, with application of microwaves, said equipment comprising, in combination, a microwave chamber and a container, removably housed there-within, said container having an unsealed cover on top thereof, and said container being constructed of material which is resistant to high temperatures, such as herein described, and also having a layer of material, such as herein described, on its base, capable of incorporating and retaining any evaporable liquid, introduced in the container, or said container being constructed of material, such as herein described, capable of producing capillarity, for contributing thermal and electromagnetic energy of microwave, the arrangement being such that in the event of the instruments, as aforesaid, placed in the container, being exposed to microwaves, are subjected to heating, which in the presence of evaporable liquids within the container, is caused to be moderated by the vapour formed within the container and acting as means for protection for the instruments under treatment.

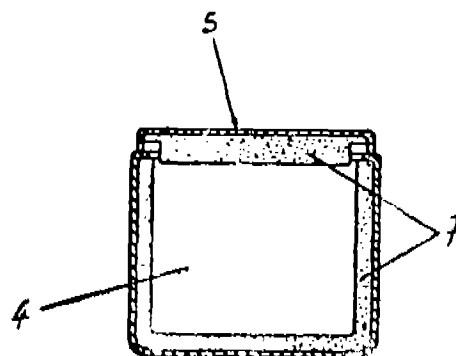
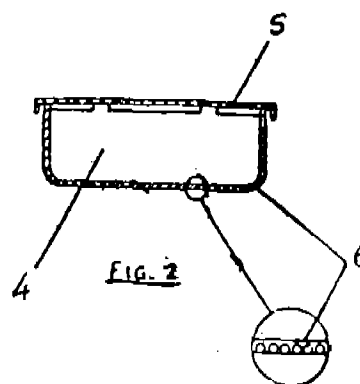
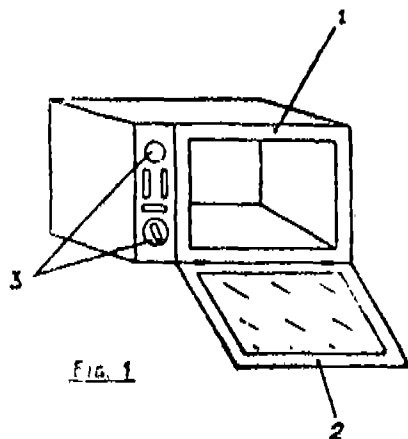


FIG. 3

(Compl. Specn. 5 pages.

Drns. 1 sheet)

Cl.: 129 O

173857

Int. Cl.: B 21 K, 31/00.

**A DEVICE FOR CONTINUOUS LIFT MONITORING AND ADJUSTING THE STAMPING ROD MOTION OF A STAMPING MACHINE.**

Applicant: SAARBERGWERKE AG. OF TRIERER STRASSE 1, D-6600 SAARBRÜCKEN, WEST GERMANY.

Inventors:

(1) MANFRED BRANDSTETTER.

(2) DIETER BALLAS.

Application No. 224/Cal/90; filed on 19th March 1990.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 3 Claims

A device for continuous lift monitoring and adjusting the stamping rod motion of a stamping machine used for crushing and like operations comprising:

means for sensing the displacement of the stamping rod during operation comprising a rotatable body provided at the stamping rod such as to contact at least a portion of the stamping rod along its axis and positioned such as to effect a rotation of said rotatable body responsive to the to and fro motions of the stamping rod;

means for identifying and comparing the rotational speed of said rotating body with a given rated value; and control

means for adjusting the stamping rod motion depending upon the output of said comparator means to complete crushing operation at predetermined ratings/specifications.

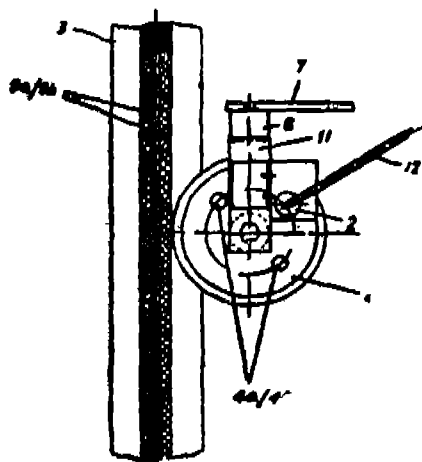


Fig. 1

(Compl. Specn. 6 pages)

Drgns. 2 sheets)

Cl.: 10 B

173858

Int. Cl.4: F 42 B 5/00.

METHOD AND APPARATUS TO PREPARE A TRIBASIC PROPELLANT CHARGE POWDER.

Applicant: WNC-NITROCHEMIE GMBH OF D-8261 ASCHAU, WEST GERMAN.

Inventors:

- (1) DR. WOLFGANG MIEHLING.
- (2) DR. KLAUS-DIETER MOGENDORF.

Application No. 325/Cal/90; filed on 20th April 1990.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

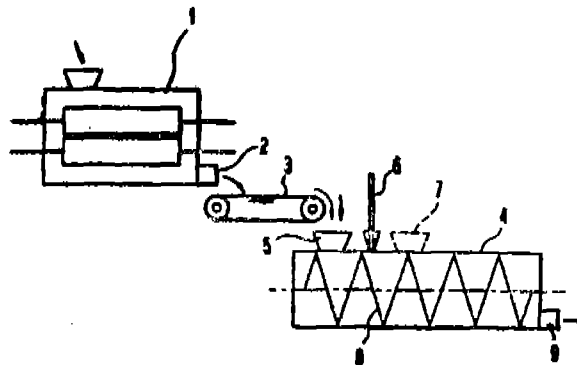
A method of preparing a tribasic propellant charge powder of nitrocellulose, blasting oil, and a third crystalline energy carrier, as well as additives, including the use of a solvent, characterized by the following steps:

(a) raw stock moist with water and premixed of nitrocellulose moist with water and a blasting oil is gelatinized in a continuously working, open kneading apparatus, being dried at the same time, the kneading apparatus being adjusted such that the raw stock, upon leaving the kneading apparatus, has been converted into a fully gelatinized intermediate product having a residual water content of less than 3%;

(b) the intermediate product is granulated on leaving the kneading apparatus;

(c) the granulated intermediate product carrier (granular material) and the third crystalline energy carrier as well as the solvent are supplied to a continuously working, closed extruder in which they are homogenized by kneading and extruded in the form of powder strands which are moist with solvent;

(d) the powder strands moist with solvent are cut to length and dried.



(Compl. Specn. 14 pages.)

Drgns. 1 sheet)

Cl.: 32 F 3

173859

Int. Cl.4: A 61 K 31/19.

C 07 C 51/00

IMPROVED METHOD FOR PRODUCING IBUPROFEN.

Applicant: HOECHST CELANESE CORPORATION OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors:

- (1) JOEL D. HENDRICKS.
- (2) GRAHAM N. MOTT.

Application No. 392/Cal/91; filed on 24th May 1991.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

A method for production of ibuprofen by the carbonylation of 1-(4'-isobutylphenyl) ethanol (IBPE) comprising initially contacting a reaction mixture comprising IBPE, ibuprofen and a catalyst such as herein described for the carbonylation with carbon monoxide under conditions to initiate reaction, and continuing to feed carbon monoxide to the composition to produce the desired yield of ibuprofen, the mole ratio of ibuprofen to IBPE at the initiation of the reaction with carbon monoxide is in the range of about 0.01 to 2.

(Compl. Specn. 16 pages.)

Drgns. Nil)

Cl.: 32 F 2

173860

Int. Cl.: C 07 C 51/00, 67/00, 103/00.

A SINGLE STEP PROCESS FOR THE MANUFACTURE OF 4-HYDROXY-PHENYLACETIC ACID AND ESTERS THEREOF FROM KETALS OF  $\alpha$ -BROMO-P-HYDROXY ACETOPHENONE.

Applicant: ICI INDIA LIMITED OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA 700071, WEST BENGAL, INDIA.

Inventors:

- (1) DR. ASHOK KUMAR,
- (2) RAMAKRISHNA APPAJI RANE,
- (3) DR. SUNEEL YASHWANT DIKE,
- (4) VAIKYAPARAMBILL KRISHNAN RAVINDRAN.

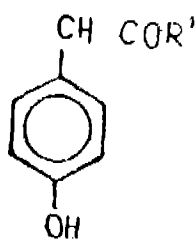


Application No. 160/Cal/92; filed on 10th March 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 6 Claims

A single step process for the manufacture of 4-hydroxy-phenylacetic acid and esters thereof having the formula shown in Fig 1 of the accompanying drawings, wherein R' is OH, CH<sub>2</sub>CH<sub>2</sub>OH, CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>CH<sub>2</sub>OH, CH<sub>2</sub>C(CH<sub>3</sub>)CH<sub>2</sub>OOC—CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>(p—OH), CH<sub>3</sub> or C<sub>2</sub>H<sub>5</sub> from ketals of the formula VIII A shown in the accompanying drawings, wherein R<sub>1</sub> and R<sub>2</sub> are CH<sub>2</sub>—CH<sub>2</sub>, CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>CH<sub>2</sub>, CH<sub>3</sub> or C<sub>2</sub>H<sub>5</sub> comprising subjecting a ketal of the formula VIII A to 1, 2-aryl transposition reaction with an aqueous base at 25 to 130°C and pH of 7-14 and if required acidifying the reaction mixture with an acid.



(Compl. Specn. 9 pages.

Drngs. 1 sheet)

Ind. Cl. : 55D2.

173861

Int. Cl. : A61N 25/12.

#### A METHOD FOR PREPARING A FLY ATTRACTING COMPOSITION.

Applicant : EARTH CHEMICAL COMPANY LIMITED, A JURIDICAL PERSON UNDER THE LAW OF JAPAN, OF 3218/12. SAKOSHI, AKO-SHI, HYOGO-KEN, JAPAN.

Inventor(s) : MASAHARU KAMEI, KIMISHIRO KISHIND, MASARU NISHIKAWA, TSUTOMU NEGISHI.

Application for Patent No. 780/DEL/89 filed on 1 September 1989.

Divisional to Application No. 980/Del/86 filed on 7 November 1986.

Ante dated to 7 November 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110006.

#### 6 Claims

A method for preparing a fly attracting composition which comprises the steps of admixing (a) a fly attracting compound selected from the group consisting of 9-tricosene, cis-9-tricosene, 10-methyl-9-tricosene, cis-2-methyl-8-docosene, cis-9-docosene, cis-8-docosene and cis-10-tricosene, (b) a pigment, (c) an insecticide of the kind such as herein described and (d) a carrier and shaping the mixture into a grain having a yellowish red color in the range of 2.5R to 2.5YR in hue and having a mean grain size of 0.5 to 5mm, the amount of said fly attracting compound being in the range of from 0.01 to 15 wt%, the amount of said pigment being in the range of from 0.05 to 4 wt% the amount of said insecticide being in the range of from 0.1 to 15 wt% and the balance being said carrier.

(Compl. Specn. 40 pages;

Drwgn. Nil.)

2—177 GI/94

Ind. Cl. : 3229, 55E4-F.

173862

Int. Cl. : CO 7D, 211/00, 295/00.

#### PROCESS FOR THE PREPARATION OF PIPERIDINES AND THEIR PHARMACEUTICALLY ACCEPTABLE ACID SALTS.

Applicant : LIFHA LYUNNAISE INDUSTRIELLE PHARMACEUTIQUE, A FRENCH BODY CORPORATE, OF 34, RUE SAINT ROMAIN, 69008 LYON, FRANCE.

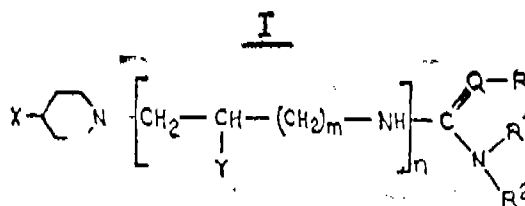
Inventors : GERARD FERRAND, HERVE DUMAS, JEAN-CLAUDE DEPIN, GILL CHAVERNAC.

Application for Patent No. 8/Del/90 filed on Jan. 1990.

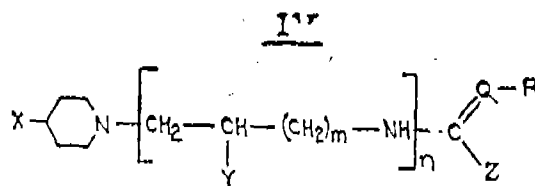
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 9

Process for the preparation of piperidines having the formula 1 of the accompanying drawings in which X is the



4-fluorobenzoyl, 2- (4-fluorophenyl)-1,3-dioxolan-2-yl or 6-fluoro-1,2-benzisoxazol-3-yl group, Y is a hydrogen atom or the hydroxyl group, M is an integer between 0 and 4 inclusive, N is O or 1, Q is a nitrogen atom or the methine group; when Q is a nitrogen atom, R is the cyano group or the carbamoyl group, when Q is the methine group R is the nitro group; R<sub>1</sub> and R<sub>2</sub> may be identical or different and are hydrogen, a lower alkyl radical, the phenyl radical or the 2,2,2-trifluoroethyl or 2-(4-(4-fluorobenzoyl)-1 piperidinyl) ethyl group; or the NR<sub>1</sub> R<sub>2</sub> structural units is the piperidino radical or the 4-(4-fluorobenzoyl)-1-piperidinyl group; and their pharmaceutically acceptable acid salts, characterised in that said process comprising reacting a derivative of formula IV shown in the accompanying drawings with an amine of for-



mula HNR<sub>1</sub>R<sub>2</sub>, X, Y, Q, R, R<sub>1</sub> R<sub>2</sub>, M and N having the meaning given in claim I, Z denoting the methylthio radical or the phenoxy radical and if desired, converting in any known manner, the compound of formula I so produced to its pharmaceutically acceptable acid salts.

(Compl. Specn.—50 pages

Drwgn. sheets—4).

Ind. Cl. : 32F<sub>3</sub>b+55E<sub>4</sub>+F.

173863

Int. Cl.<sup>4</sup> : CO7C 63/00, 63/33.

# PROCESSES OF PREPARATION DERIVATIVES OF BENZOCYCLOALKENYLDIHYDROXYAL-KANOIC ACID.

Applicant : LIPHA, LYONNAISE INDUSTRIELLE  
PHARMACEUTIQUE, A FRENCH COMPANY, OF 34,  
RUE SAINT ROMAIN, 69008 LYON, FRANCE.

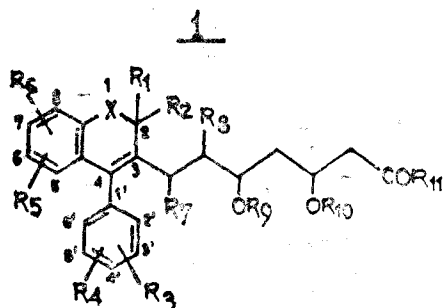
Inventor(s) : DIDIER FESTAL, JEAN-YVES NIOCHE,  
DENIS DESCOURS, ROBERT BELLEMIN, JACQUES  
DECERPRIT.

Application for Patent No. 59/Del/90 filed on 23 Jan.  
1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, New Delhi-  
110-005.

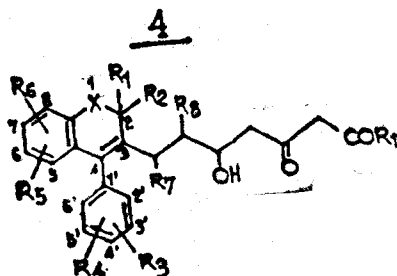
## Claims 6

Process for the preparation of the derivatives of benzocycloalkenyldihydroxyalkanoic acids of formula 1 shown in the accompanying drawings.



in which X denotes a -CH<sub>2</sub>-methylene chain link or an oxygen or sulphur atom; R<sub>1</sub> and R<sub>2</sub> which are identical or different, denote hydrogen atoms or alkyl radicals containing 1 to 3 carbon atoms; R<sub>1</sub> and R<sub>2</sub> may also together form a -(CH<sub>2</sub>)<sub>n</sub>-alkylene chain in which the number of n chain links may be equal to 4 or 5 and which are, if appropriate, symmetrically substituted by one or two alkyl radicals containing 1 to 3 carbon atoms; R<sub>3</sub> and R<sub>4</sub> which may be identical or different, denote hydrogen, fluorine, chlorine or bromine atoms, CF<sub>3</sub> radicals, N, N-dialkylamino containing 1 to 3 carbon atoms, alkyl containing 1 to 4 carbon atoms, alkoxy containing 1 to 5 carbon atoms, phenyl optionally substituted by at most two substituents which may be identical or different and may denote C<sub>1-3</sub> alkyl radicals or fluorine or chlorine atoms, it being understood that when one of the substituents R<sub>3</sub> and R<sub>4</sub> denotes a CF<sub>3</sub>, N, N-dialkylamino, phenyl or substituted phenyl radical it is present on the 3', 4' or 5' vertices and the other substituent denotes a hydrogen atom; R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, denote hydrogen, fluorine, chlorine or bromine atoms or the radicals : CF<sub>3</sub>, C<sub>1-3</sub> alkyl, Cl-3 alkoxy or phenyl substituted, if appropriate, by at most two C<sub>1-3</sub> alkyl or C<sub>1-3</sub> alkoxy radicals or fluorine or chlorine atoms, on condition that when one of the substituents R<sub>5</sub> and R<sub>6</sub> denotes CF<sub>3</sub>, phenyl or substituted phenyl radicals it is present on the vertices 6 or 7 and the other denotes a hydrogen atom; the substituents R<sub>3</sub> and R<sub>4</sub> or R<sub>5</sub> and R<sub>6</sub> may also together form on condition of being on two contiguous vertices, the diradicals of formulae : CH=CH-CH=CH, (CH<sub>2</sub>)<sub>m</sub>- or -O(CH<sub>2</sub>)<sub>p</sub>O-, in which may be equal to 3 or 4 and p to 1 or 2, it being understood that when R<sub>3</sub> and R<sub>4</sub> or R<sub>5</sub> and R<sub>6</sub> denote the -O(CH<sub>2</sub>)<sub>p</sub> O-diradical, the latter is linked to the vertices 3' and 4' or 4' and

5' or 6 and 7 : each of the substituents R<sub>7</sub> and R<sub>8</sub> denotes a hydrogen atom or together with the existing C-C bond they form a double bond of trans (E) geometry; each of the substituents R<sub>9</sub> and R<sub>10</sub> denotes a hydrogen atom or together they form a dialkylmethylene residue containing 1 to 3 carbon atoms, R<sub>11</sub> denoting with the CO group to which it is bonded, a free acid, ester, amide or acid salt functional group or forming a δ-lactone ring with R<sub>9</sub>, characterized in that it comprises at least reducing a keto-ester of formula 4 of the accompanying drawings



where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>11</sub> are as defined above with an alkali metal borohydride in an inert solvent to produce said compound of formula 1 and if desired converting in any known manner said compounds of formula 1 to its ester or δ-lactone form.

(Com. Specn. 67 pages;

Drwgs 17 sheets)

Ind. Cl. : 32F 39 & 55E<sub>4</sub> F.

173864

Int. Cl.<sup>4</sup> : A 61 K 9/22.

# A PROCESS FOR PREPARING A FLECAINIDE ACETATE CONTROLLED RELEASE PHARMACEUTI- CAL FORMULATION.

Applicant : RIKER LABORATORIES, INC, A COR-  
PORATION ORGANISED UNDER THE LAWS OF THE  
STATE OF DELAWARE, UNITED STATES OF AMERICA,  
OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000,  
UNITED STATES OF AMERICA.

Inventors : DAVID PORTER, ANDREW MICHAEL  
TWITCHELL.

Application for Patent No. 67/Del/90; filed on 25 Jan.,  
1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, New Delhi-  
110005.

## 3 Claims

A process for preparing a flecainide acetate controlled release pharmaceutical composition comprising :

(a) combining sieved microcrystalline cellulose, milled flecainide acetate and water, followed by formation of beads comprising said flecainide acetate and said microcrystalline cellulose in an amount in the range of from 20 to 80% and 80 to 20%, respectively, based on the total weight of said beads.

(b) coating said beads with a film-coat comprising (i) a methacrylic acid/methyl methacrylate copolymer; (ii) a plasticizer as hereinbefore described; and (iii) a lubricant as hereinbefore described wherein said copolymer said plasticizer, and lubricant are present in an amount in the range of from 40 to 70%, 5 to 20% and 20 to 50% respectively, based on the total weight of said film-coat;

further, wherein said film-coat is present in an amount in the range of from 5 to 20% by weight based on the total weight of said film-coated bead.

(Compl. Specn. 13 pages.

Drwgs. Nil.)

Ind. Cl. : 32 F (2a).

173865

Int. Cl.<sup>4</sup> : CO 7C, 125/06.

IMPROVED PROCESS FOR THE PREPARATION OF ARYL N-ALKYL CARBAMATE ESTERS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

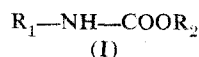
Inventors : GURUNATH HANUMANT RAO, KULKARNI, RAJAN HIRALAL NIAK AND SRINIVASCHARI RAJAPPA.

Application for Patent No. 88/Del/90, filed on 31 Jan., 1990.

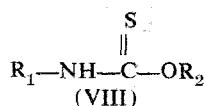
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 15 Claims

An improved process for the preparation of aryl N-alkyl carbamates of the general formula (I) of the drawings.



accompanying this specification wherein  $R_1$  is an alkyl group and  $R_2$  is an aryl group, which comprises of reacting an alkyl N-alkylthiocarbamate of the formula (VIII).



wherein  $R_1$  and  $R_2$  represent alkyl group with an appropriately substituted phenol, in the presence of a halogen-containing phosphorus compound and quenching the reaction product in water.

Compl. Specn. 7 pages.

Drwgs. 1 sheet.)

Ind. Cl. : 189-LXV (10).

173866

Int. Cl.<sup>4</sup> : A 61 K, 7/16.

ANTIBACTERIAL ANTIPLAQUE, ANTICALCULUS ORAL COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : ABDUL GAFFAR, NURAN NABI, BRIAN S. JANNONE.

Application for Patent No. 119/Del/90; filed on 12 Feb., 1990.

Divisional to Application No. 1148/Del/87; filed on 30-12-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 23 Claims

An antibacterial antiplaque anticalculus oral composition of the kind such as herein described which comprises in conventional orally acceptable vehicle :

from 0.1% to 7% by weight of an anticalculus agent comprising at least one linear molecularly dehydrated polyphosphate salt : from 0.01% to 5% by weight of a substantially water-insoluble noncationic antibacterial agent selected from the group consisting of halogenated diphenyl ethers, phenol and phenolic compounds, benzoate esters and halogenated carbanilides; and

from 0.005% to 30% by weight of at least one anti-enzymatic hydrolyzing inhibitor such as herein described for inhibiting hydrolysis of P-O-P bonds in the polyphosphate salts consisting said anticalculus agent to orthophosphates by the action of phosphatase enzymes present in saliva.

(Compl. Specn. 32 pages,

Drwgs. Nil.)

Ind. Cl. : 55D<sub>2</sub>.

173867

Int. Cl.<sup>4</sup> : A01N 57/00.

A PROCESS FOR THE PREPARATION OF A SYNERGISTIC BIOCIDAL COMPOSITION.

Applicant : ALBRIGHT & WILSON LIMITED, A BRITISH COMPANY, OF 210-222 HAGLEY ROAD WEST, OLDBURY, WARLEY, WEST MIDLANDS, ENGLAND.

Inventors : MALCOLM ALFRED VEALE, ROBERT ERIC TALBOT, NIGEL STEPHEN MATTHEWS, DAVID ALBERT ADWARD COX AND GRAHAM ROBERT LLOYD.

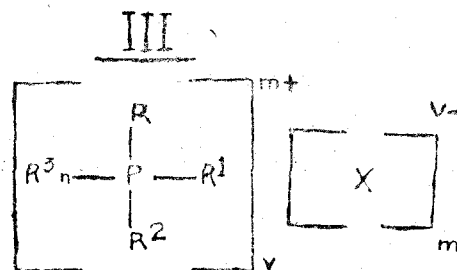
Application for Patent No. 161/DEL/90 filed on 22 Feb 1990.

Convention Date : 8904274-1/24-2-1989/U.K.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 12 Claims

A process for the preparation of a synergistic biocidal composition for use such as treatment of various water systems, soil and water containing materials, said process comprising mixing a solution such as herein described or concentrate of (i) a quaternary phosphonium or tertiary phosphine biocide of the formula III of the drawings



wherein n is 1 or 0; m is (1-n);

R is

(i) a-CH<sub>2</sub>OH group when n is 0, and

(ii) a methyl group or a (-CHOHR<sup>4</sup>) group wherein R<sup>4</sup> is hydrogen or a C<sub>1-10</sub> alkyl when n is 1

R<sup>1</sup> is

(i) -CH<sub>2</sub>OH group when n is 0.

(ii) (CHOHR<sup>4</sup>) group when n is 1 and R<sup>4</sup> is alkyl.

(iii) a  $(-\text{CH}_2\text{OH})$  group when  $n$  is 1 and  $R_4$  is hydrogen, and

(iv) a methyl group when  $R$  is methyl

$R^2$  is

(i) a  $(-\text{CHOR}^4)$  group when  $R^4$  is alkyl,

(ii) a  $(-\text{CH}_2\text{OH})$  or  $\text{C}_{1-8}$  alkyl group when  $R^4$  is H; and

(iii) a methyl group when  $R$  is methyl

$R^3$  is

(i) a  $(-\text{CHOHR}^4)$  group when  $R^4$  is alkyl, and

(ii) a  $(-\text{CH}_2\text{OH})$  or  $\text{C}_{1-8}$  alkyl group when  $R^4$  is H provided that when  $\text{RR}^1 \text{ R}^2$  are each methyl or  $(-\text{CH}_2\text{OH})$   $\text{R}^3$  may additionally be a  $\text{CH}_{1-10}$  alkyl.

$X$  is an anion such that the composition is at least sparingly soluble in water; and  $v$  is the valency of the anion  $X$  with

(2) a thiocyanate biocide comprising an  $\text{S}(\text{C})_n\text{SCN}$  group in a proportion of from 1 : 9 to 10 : 1 and the balance is any, consisting of surfactant of the kind such as herein described, and if desired, diluting with a solvent such as herein described to produce the synergistic biocidal composition.

(Compl. Specn. 31 pages

Drwgs. 4 sheets.)

Ind. Cl. : 53 D<sub>2</sub>.

173868

Int. Cl.<sup>4</sup> : AOIN, 57/10.

#### A PROCESS FOR PREPARING A SYNERGISTIC WATER TREATING COMPOSITION.

Applicant : ALBRIGHT & WILSON LIMITED, A BRITISH COMPANY, OF 210-22 HAGLEY ROAD WEST, OLDBURY WARLEY, WEST MIDLANDS, ENGLAND.

Inventors : EDWARD BRYAN, MALCOLM ALFRED VEALE, ROBERT ERIC TALBOT, NIGEL STEPHEN MATTHEWS AND GRAHAM COOPER.

Application for Patent No. 200/Del/90, filed on March, 1990.

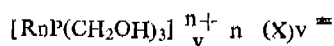
Convention date—3-3-1989/8904844.1/UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 6

A process for preparing a synergistic water treating composition comprising admixing;

(i) at least one organophosphorus compound which has the formula :



wherein  $R$  is hydroxymethyl, methyl, ethyl or allyl,  $X$  is an anion such that the compound is least sparingly soluble in water  $n$  is 1 or 0 and  $v$  is the valency of the anion  $X$ ; and

(ii) at least one active aldehyde or polymer thereof such as herein described wherein said ingredients (i) and (ii) are present in a relative weight proportion of from 20:1 to 1:20.

(Comp. Specn.—20 pages

& Drawing—1 sheet).

Ind. Cl. : 32 F (3d).

173869

Int. Cl.<sup>4</sup> : A 61 IC, 31/12.

#### PROCESS FOR PREPARING ORAL ANESTHETIC COMPOSITION.

Applicant : RICHARDSON-VICKS, INC, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED

STATES OF AMERICA, OF 1 FAR MALL CROSSING, SHETON, STATE OF CONNECTICUT 06484, UNITED STATES OF AMERICA.

Inventors : WILLIAM JOSEPH KELLEHER & WILLIAM JOHN McCLINTOCK.

Application for Patent No. 206/DEL/90; filed on 6 March 1990.

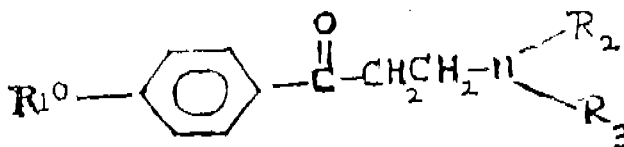
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 11 Claims

A process for the manufacture of a topical anesthetic lozenge composition comprising the steps of :

(a) heating a candy base suitable for acid composition;

(b) adding from 0.02% to 20% saccharin either prior to or simultaneous with the addition of from 0.02% to 25% of a pharmaceutically acceptable acid salt of a propiophenone of the formula I of the drawings



wherein  $R_1$  is a  $\text{C}_2\text{-C}_8$  alkyl,  $R_2$  and  $R_3$  are independently  $\text{C}_1\text{-C}_6$  alkyl or  $R_1$  and  $R_2$  are  $(\text{CH}_2)_n$  where  $n$  is an integer from 3 to 7 and if desired;

(c) adding conventional carriers and/or ingredient of the kind such as herein described.

(Comp. Specn. 16 pages;

Drwg 1 sheet)

Ind. Cl. : 32 F<sub>2</sub> C

173870

Int. Cl.<sup>4</sup> : A61-k-37/00, Cl.<sub>2</sub>P13/04

#### Title : A PROCESS FOR THE PREPARATION OF PEPTIDES FOR USE IN COMPOSITIONS HAVING IMMUNOMODULATORY ACTIVITY.

Applicants : SOCIETE DE CONSEILS DE RECHERCHES ET D APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

Inventors : MARYSE LENFANT AND JOSIANE THIERRY.

Application for the Patent No. 208/Del/90; filed on 6th arch, 1990.

Convention Date 11-3-1989/8905606.3/UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 4

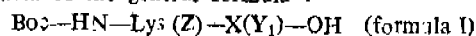
A process for the preparation of peptides having the general formula :



wherein :

$X$  represents a Proline or Lysine residue or a valence bond and  $W$  represents a Threonine or Proline residue with the proviso that if  $X$  represents a Proline residue then  $W$  also represents a Proline residue which comprises :

(i) condensing the amino acid Boc Asp (OBZI)-OH and the amino acid Lys (Z)X(Y<sub>1</sub>)-OH which is a form of the amino acid of the general formula :



wherein the Boc group has been cleaved) to obtain a peptide of the general formula :

Boc—HN—Asp (OBzl)—Lys(Z)—X(Y<sub>1</sub>)—OH (formula II)

(ii) condensing the amino acid Booser Bzl and the amino acid Asp (OBzl)—Lys (Z)—X(Y<sub>1</sub>)—OH (which is a form of amino acid of the general formula (II) wherein the Boc group has been cleaved) to obtain a peptide of the general formula :

Boc—HN—Ser (Bzl)—Asp (OBzl)—Lys (Z)—X(Y<sub>1</sub>)—OH (formula III) cleaving the Boc group of the said peptide; and

(iii) condensing the amino acid Boc-W (Y<sub>2</sub>)—OH and the amino acid Ser (Bzl)—Asp (OBzl)—Lys(Z)—X(Y<sub>1</sub>)—OH (which is a form of amino acid of the general formula (III) wherein the Boc group has been cleaved) to obtain a peptide of general formula : Boc—HN—W-(Y<sub>2</sub>)—Ser (Bzl)—Asp (OBzl)—Lys (Z)—X (Y<sub>1</sub>)—OH (formula IV, cleaving the Boc group of the so contained peptide and deprotecting the cleaved peptide to produce the desired peptide of the general formula with the provisos that :

H<sub>2</sub> N-W-Ser-Asp-Lys-X-OH;

(i) Y<sub>1</sub> and Y<sub>2</sub> stands for nothing when W or X stands for Proline;

(ii) Y<sub>2</sub> stands for benzyloxy when W stands for Threonine

(iii) Y<sub>1</sub> stands for benzyloxycarbonyl when X stands for Lysine.

(Comp. Spen.—18 pages & Drwng. Sheets—Nil).

Ind. Cl : 61A Gr. [VIII]

173871

Int. Cl : B 01D-43/00

A SPRAY DRYING PROCESS FOR PREPARING DETERGENT POWDER HAVING PREDETERMINED LEVEL OF MOISTURE.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF INDIA, OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. ANDREW JOHN KERSLAKE  
2. CHRISTOPHER GEORGE PROUD-FOOT.

Application No. 16/BOM/91 filed on 15-01-91 G B PRIORITY DATED 16-01-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

### 3 Claims

1. Spray drying process for preparing a detergent powder having a predetermined level of moisture comprising.

(i) feeding a flow of a slurry of detergent compounds into a spray drying tower and measuring the slurry flow rate;

(ii) feeding a flow of hot drying air into the spray drying tower below the slurry feed whereby the air contacts the slurry to produce a moisture containing detergent powder and measuring the moisture content of the detergent powder, characterised by

(iii) varying the flow and/or temperature of the drying air to maintain automatically the moisture content of the detergent powder at a preset level wherein the said flow and/or temperature is varied as a function of;

(a) Previous value of said flow and/or temperature,

(b) Current and/or previous values of the moisture content; and

(c) current and/or previous values of the slurry flow rate

(Comp. Spen.—16 pages. Drgs.—08 sheets).

Ind. Cl : 34A (X)

173872

Int. Cl : D01F-2/06, 2/08.

MANUFACTURING REGENERATED CELLULOSE FIBRE BY ZINCREE VISCOSE PROCESS.

Applicants & Inventors : INDUBHAI HEMCHAND PAREKH AND SUNANDA KUMAR ROYMOULIK, BOTH OF BIRLA INSTITUTE FOR APPLIED SCIENCES, BIRLAGRAM-456311, (MP) AND BOTH INDIAN NATINONALS.

Application No. 80/Bom/91; filed on 19-3-91.

Complete after provisional left on 6-5-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

### 3 Claims

A process for the production of regenerated cellulose fibre having increased lustre and softness and having substantially "C" cross section with well developed skin which comprises soaking a rayon grade pulp in caustic soda solution of 17.5% to produce alkali cellulose having 33-34% cellulose and 15.25 to 16.00% sodium hydroxide shreadding the alkali cellulose, ageing same to get a viscous solution having viscosity of 35—75 ball fall seconds, converting the alkali cellulose into cellulose xanthate by reaction with 28 to 33% carbon di-sulphide, preparing a viscose solution from the xanthate by dissolving same in dilute caustic soda solution, said viscose solution having 6—11% cellulose and 52—60% caustic soda/cellulose ratio, allowing the viscose solution to ripen and thereafter subjecting the ripened solution to spinning in a spin bath characterized in that the spin bath is zinc free spin bath containing 6.5—12% sulphuric acid, 0.3—2.0% aluminium sulphate (Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>) and 18—26% sodium sulphate followed by stretching the spin filament and thereafter, regenerating, desulphurizing, bleaching, finishing and drying the filament in a conventional manner.

(Prov. Spen. 18 pages.

Drsg. Nil)

Comp. Spen. 22 pages.

Drsg. Nil)

Ind. Cl : 143 D-2 [XL]  
185(c) [XVIII]

173873

Int. Cl : B 65 B-29/02, B 31B-41/00,  
B31 C-13/00

METHOD AND APPARATUS FOR MANUFACTURING TWIN COMPARTMENT PRODUCTS, SUCH AS INFUSION PACKETS AND INFUSION PACKETS THEREBY PRODUCED.

Applicants & Inventors : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020.

1. GEOFFREY WILLIAM VERNON,  
2. JAMES GOODWIN,  
3. MICHAEL JOHN CAHILL,  
4. WILLIAM M BUCKLEY.

Application No. 82/Bom/91; filed on 21-03-91.

(Divisional to 339/Bom/92)

G.B. Priority dates 21-03-90 and 30-11-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

### 17 Claims

A method of manufacturing twin compartment products, such as infusion packets, comprising the steps of

(i) dividing each of a pair of tabular webs along its length into a series of discrete compartments.

(ii) locating the pair of webs in overlapping relationship with their compartments in register.

(iii) joining the webs at the divisions between the compartments, and

(iv) severing the thus interconnected pairs of compartments from the webs as separate twin-compartment packets.

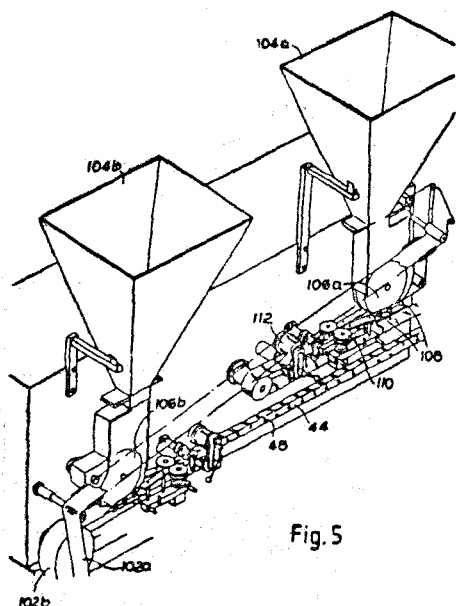


Fig. 5

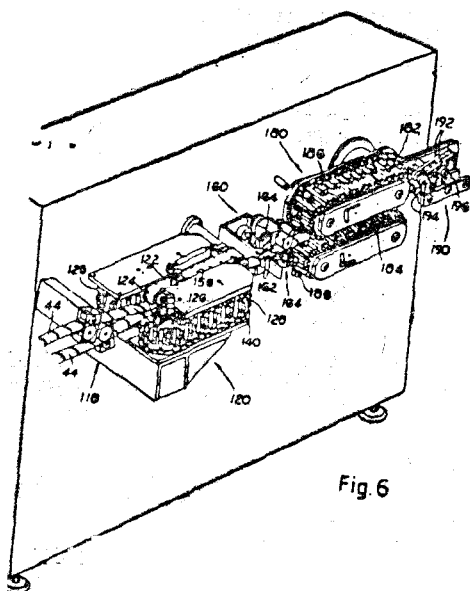


Fig. 6

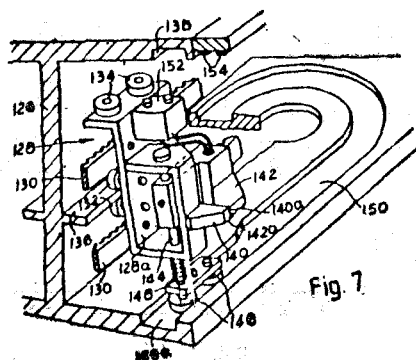


Fig. 7

Ind. Cl. : 189 [LXVI(9)]

173874

Int. Cl. : A 61 K-6/00

A PROCESS FOR PREPARING AN ORAL COMPOSITION WITH AN IMPROVED ANTI-TARTAR ACTIVITY.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) DAVID LEROY ELLOIT (2) CATHERINE LYNN HOWIE-MEYERS (3) PETER GRAHAM MONTAGUE.

Application No. 75/Bom/1991 filed on 18-3-1991.

Appropriate Office Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

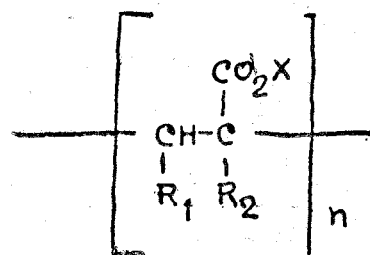
13 Claims

A process for preparing an oral composition with an improved anti-tartar activity, comprising mixing conventional ingredients such as herein described, a fluoride in an amount of from 0.005 to 3% by weight and a polymeric anti-tartar agent, characterized in that the polymeric anti-tartar agent has the formula I,



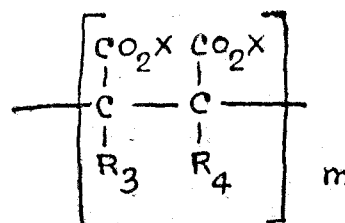
FORMULA (I)

wherein A is a random polymeric residue comprising at least one unit of structure II,



STRUCTURE (II)

and at least one unit of structure III,



STRUCTURE (III)

different from a unit of structure II, and B is hydrogen or a residue A; m and n are integers sufficient to provide polymer of weight averaged molecular weight ranging from about 400 to about 5000; m and n in residue A may each be the same or different from respective m and n in residue B; R is an -OX, where X is selected from the group consisting of hydrogen, alkali metal, alkaline earth metal, transition metal ammonium alkyl amine, alkanolammonium residues and mixtures thereof; R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are hydrogen, methyl, ethyl radicals or combinations thereof.

Ind. Cl. 170 B XLIII(4) + 40B IV (1)

173875

14 Claims

Int. Cl. : C01G-45/00 CHD-3/395

## A BLEACHING COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, AN COMPANY INCORPORATED UNDER THE LAWS OF INDIA.

Inventors : 1. THOMAS LOUIS F. FAVRE, 2. RONALD HAGE, 3. KARIN VAN DER HELMRADEMAKER, 4. JEAN HYPOLITES KOKK, 5. RUDILE JOHN MARTENS, 6. TON SWARTHOFF, 7. MARTEN ROBERT P. VAN VLIET.

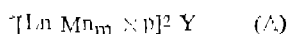
Application No. 145/Bom/91 filed on 20-05-91.

UK 21-05-90 &amp; 18-12-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

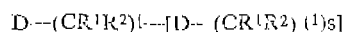
## 17 Claims

A bleaching composition comprising a peroxy compound at a level of from 2 to 30% by weight and a bleach and oxidation catalyst comprising a metal complex of formula (A) :



wherein Mn is manganese, or iron or mixtures thereof, which can be in the II, III, IV or X oxidation state or mixtures thereof; n and m are independent integers from 1-4; X represents a co-ordination or bridging species; p is an integer from 0-12; Y is a counter-ion, the type of which is dependent upon the charge z of the complex which can be positive, zero or negative;

q = z/(charge Y); and L is a ligand being a macrocyclic organic molecule of the general formula :



wherein R<sup>1</sup> and R<sup>2</sup> can each be zero, H, alkyl or aryl, optionally substituted; t and t' are each independent integers from 2-3, each D can independently be N, NR, PR, O or S, wherein R is H, alkyl or aryl, optionally substituted; and s is an integer from 2-5, said catalyst being present at a level corresponding to a manganese content of from 0.0005% to 0.5% by weight.

(Comp. Specn. 47 pages)

Ind. Cl. : 170 B [XLIII (4)]  
62 A 2

173876

Int. Cl. : C 11 D-3/395.

## BLEACHING COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

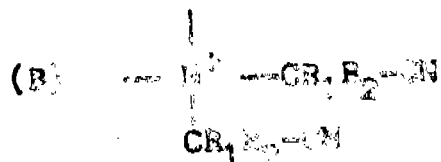
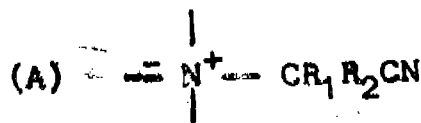
Inventors : JOHN OAKES AND DAVID WILLIAM THORNWATTE.

Application No. 152/Bom/1991, filed on 23-5-91.

Great Britain Priority date 24-05-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch, Bombay-400 013.

A bleaching (detergent) composition comprising a peroxide bleach compound and a cationic peroxyacid precursor compound having at least one of the following groups (A) and (B) :



wherein R<sub>1</sub> and R<sub>2</sub> are each individually H, or a substituent group containing at least one carbon atom, provided that R<sub>1</sub> and R<sub>2</sub> are not both H.

(Comp. Specn. 31 pages)

Draws 4 sheets)

Ind. Cl. : 35E [XXV (2)]

173877

Int. Cl. : C04B-26/02

## A METHOD OF MAKING A REFRACTORY LINING COMPOSITION FOR A MOLTEN METAL HANDLING VESSEL.

Applicants : M. S. GREAVES FOSECO LIMITED, AN INDIAN COMPANY OF JOLLY BHAVAN NO. 2, 1ST FLOOR, NEW MARINE LINES, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventor : CHARLES TAFT.

Application No. 169/Bom/91 filed on 06-06-91.

Priority—UK dated 07-06-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## 10 Claims

1. A method of making a refractory lining composition for a molten metal handling vessel, comprising mixing a particulate refractory filler material, a binder and a foaming agent and from 5 to 15% by weight of water.

(Comp. Specn. 7 pages)

Drg. Nil)

Ind. Cl. : 103, Gr. [XLY(1)]

173878

Int. Cl. : C23F-15/00.

## A RUST PREVENTING DEVICE FOR NUTS AND BOLTS/STUDS.

Applicants : VISA PETROCHEMICALS PRIVATE LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, HAVING ITS REGISTERED OFFICE AT 171-B, MITTAL TOWER, NARIMAN POINT, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventor : NAVIN CHANDRA.

Application No. 212/Bom/91 filed on 19-07-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## 3 Claims

A rust-preventing device for nuts and bolts/studs comprising a thermoplastic cylindrical cap with an open bottom, an annular groove being provided in the bottom rim of the said cylindrical cap having a locking lip slightly projecting inside and a sealing lip projecting outwardly.

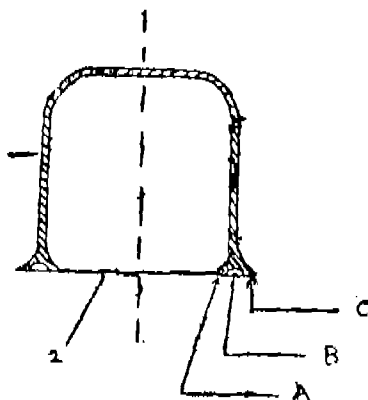


FIG.-1

(Comp. Specn. 05 pages)

Drg. 1 sheet)

Ind. Cl. : 162 Gr [LXIV (7)]

173879

Int. Cl. : D 07 B-7/00

### AN APPARATUS TO MAKE A BEADED COMPOSITE LEAD STRAND FOR SYNTHETIC ROPES.

Applicant : GARWARE-WALL R & D DIVISION, A DIVISION OF GARWARE-WALL ROPES LTD. PLOT NO. 11, BLOCK D-1 M.I.D.C., CHINCHWAD, PUNE-411-019, MAHARASHTRA, STATE, INDIA.

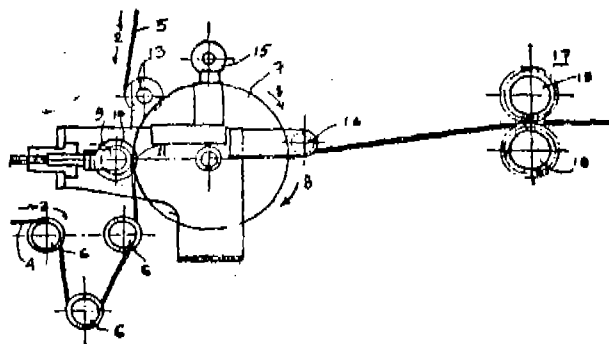
Inventor : RAMESH MANJANATH TELANG.

Application No. 280/Bom/1991 filed on 26-09-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## 1 Claim

An apparatus to make a beaded composite lead strand for synthetic ropes comprising two independent paths, one for feeding a lead wire and the other for feeding a synthetic yarn, the said lead wire feeding path having a plurality of guide rollers for guiding a lead wire under tension, a rotating drum over which the said lead wire is fed tangentially, a first roller having on its circumference a cutting and forming edge being mounted adjacent to the said rotating drum for longitudinally slit opening the said lead wire, the said second path for feeding a synthetic yarn having a second small roller mounted slightly above the said first roller for feeding the said synthetic yarn in tension over the said rotating drum having longitudinally slit open lead wire, a pair of angularly positioned crimping rollers provided ahead of the said second roller for crimping the said slit open lead wire over the said synthetic yarn forming composite strand, a deflecting pulley provided ahead of the said pair of crimping rollers for deflecting the said composite strand away from the rotating drum, a pair of embossing rollers being provided ahead of the said deflecting pulley for forming beads on the said outer lead portion of the said composite strand according to the profile of the said embossing rollers.



(Comp. Specn. 4 pages)

Drg. 1 sheet)

Ind. Cl. : 128 K; H G Gr. [XIX (2)]

173880

Int. Cl. : A 61B-1/30; 1/32; 17/42.

### AN IMPROVED ILLUMINATED SPECULUM.

Applicant & Inventor : TILAK RAJ CHAUDHARY OF 32/2, MEGHAL INDUSTRIAL ESTATE, DEVIDAYAL ROAD, MULUND (W), BOMBAY-400 080, MAHARASHTRA, INDIA, INDIAN NATIONAL.

Application No. 116/Bom/92 filed on 10-04-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## 6 Claims

An improved illuminated speculum comprising of a curved channel shaped blade having smooth bends at two ends forming a narrow end and a broad end, a pair of tubing/sheaths being provided by the inner sides of the curved blade, one end of each of the said tubings being ended just ahead of the said bends of the blade, towards the said narrow end and the said broad end respectively and the other end of the said tubing being projected away from the blade near its middle portion forming an acute angle with the blade, a nipple being provided at the projected end of each of the said tubing, a bunch of optical fibres being provided inside each of the said tubings, one end of said optical fibre bunch ending at the said nipple end and the other end of the optical fibres ending at the tip of the said tubings, just ahead of the said bends of the blade, an adaptor being provided at the free end of each nipple for connecting thereto one end of a flexible optical fibre cable the other end of the said cable being connected to a bright light emitting device.

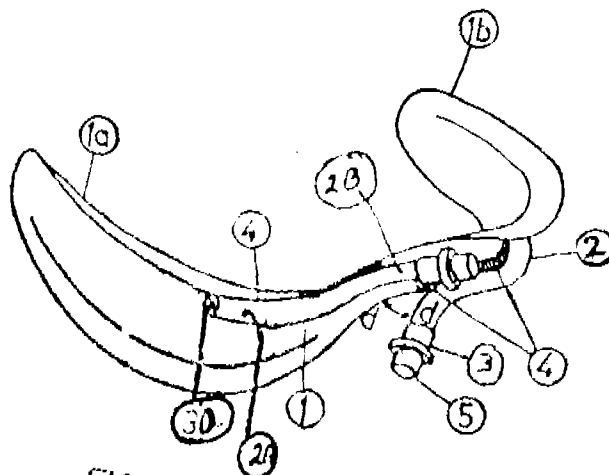


FIG. NO. 4

(Comp. Specn. 7 pages)

Drg. 1 sheet)



Ind. Cl. : 181 Gr. [XLV(6)]

173881

18 Claims

Int. Cl. : F04D-29/12.

**HIGH PRESSURE DUAL BALANCED MECHANICAL SEAL FOR ROTARY PUMPS AND THE LIKE EQUIPMENTS.**

Applicants : SEALOL HINDUSTAN LIMITED, 212/2, HADAPSAR, PUNE-411 028, MAHARASHTRA STATE, INDIA, AN INDIAN COMPANY DULY REGISTERED AND INCORPORATED UNDER THE COMPANIES ACT, 1956.

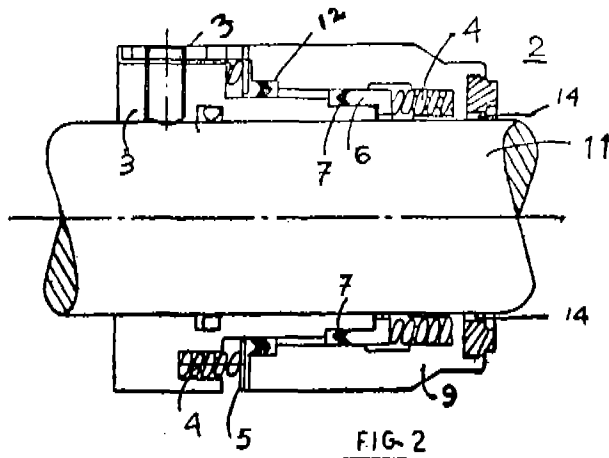
Inventors : 1. GYANESHWAR KUMAR PANDEY, 2. RATNAKAR JANMASHANKER MANKAD.

Application No. 311/Bom/91 filed on 22-10-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

**1 Claim**

High pressure dual balance mechanical seal comprising a rotary head consisting of a drive collar, set of springs, thrust washer, followers, 'V' packings, adapters and a composite seal ring consisting of a carbon or tungsten, carbide locking ring, the said assembly is mounted directly over the shaft or as a variation over the sleeve first and then shaft, characterised in that the second set of 'V' packing is, in opposite direction as well as in different plane that of the first set of 'V' packing, arrangement being such that the first or the inboard set of 'V' packing will seal the pumpage while the second out board set of 'V' packing will only seal the barrier fluid whereby complete sealing will be accomplished irrespective of loss or rise in the fluid pressure on either side.



(Comp. Specn. 6 pages)

Drgs. 2 sheets)

Ind. Cl. : 120 B1+B2

173882

Int. Cl : F16N-7/02, 25/04

**IMPROVED GRAVITY-CUM-CENTRIFUGAL FORCE FEED LUBRICATING SYSTEM FOR A CAM AND ROCKER ARMS OF A CIRCULAR LOOM.**

Applicant & Inventor : BIPIN VADILAL MEHTA, AN INDIAN CITIZEN, BIPIN NIWAS, PANCHWATI, AHMEDABAD-380 006, GUJARAT, INDIA.

Application No. 328/Bom/91 filed on 30-10-91.

Complete after provisional left on 1-2-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

Improved gravity feed lubricating system for cam of circular loom comprising a cam drum/tray 4 having an integrally attached central hub 4C fitted on a central shaft 3 driven by a prime mover of a circular loom, said cam drum/tray 4 carrying a pair of serpentine grooved passages 4A-4B on its outer peripheral wall in spaced apart relationship with each other, said passages forming a seat and guide for travel through said grooved passages for respective bearings on float mounted nose end pin sub-assembly of plurality of radially spaced apart rocker arms forming thread guides during the rotation of said oil drum/tray 4 with said central shaft 3, characterised in that said cam drum/tray 4 being fitted with detachably fitted top and bottom oil seal plates 4E and 4F, and each of said grooved passages 4A-4B being provided with oil inlets 5A-5B and top and bottom end of said cam drum/tray being provided with mounted oil seal plates 4E-4F, each having a central bore hole for passage therethrough of said central shaft 3 : and an oil drum tray 1 having a hub 1A integral with bottom plate 1F having a central bore hole and a pair of drain nipples 1B-1C for being coupled to corresponding oil inlets 5A-5B by flexible tubing 10A-10B and carrying an oil level sensor 1D connected to electrical circuit of a pump 12 located in oil sump 11 provided below said circular loom, said oil drum tray 1 being fitted on said central shaft above said cam drum tray 4 such that lubricating oil in said cam drum/tray 4 being splashed into respective grooved passages 4A-4B by centrifugal force feed generated by the spinning motion of said central shaft at speed not less than 180 rpm and excess oil dripping from said cam drum/tray 4 being collected into said oil sump 11 for being recycled.

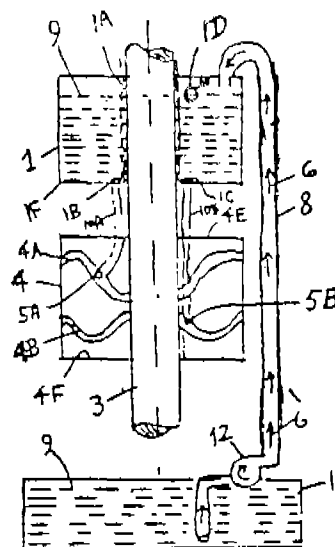


FIG-3

(Prov. Specn. 8 pages  
(Comp. Specn. 20 pages

Drg. 1 sheet)  
Drgs. 3 sheets)

Ind. Cl. : 189 [LXVI (9)]

173883

Int. Cl. : A 61K-7/48.

**A PROCESS FOR SYNTHESISING PSEUDOCERAMIDES.**

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :

1. PETER CRITCHLEY .
2. ANTHONY VINCENT RAWLINGS.
3. IAN RICHARDS SCOTT.

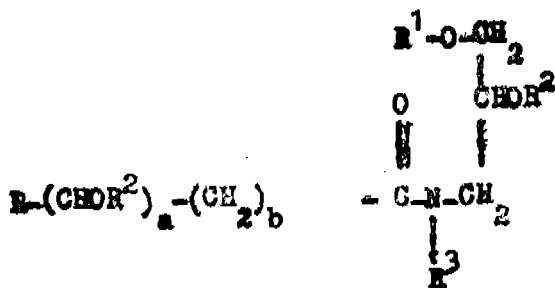
Application No. 16/BOM/92 filed on 13-01-92.

Priority UK date 15-9-91.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Branch, Bombay-13.

### 1 Claim

A process for synthesising a pseudoceramide having the structure (2);



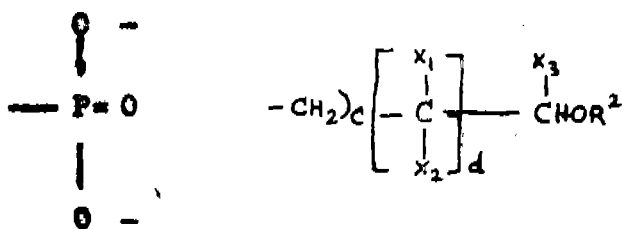
where

R represents a linear or branched, saturated or unsaturated, hydroxylated or non-hydroxylated, phosphorylated or non-phosphorylated, sulphated or non-sulphated aliphatic hydrocarbon group having from 1 to 49 carbon atoms;

R<sup>1</sup> represents a linear or branched, saturated or unsaturated, hydroxylated or non-hydroxylated, phosphorylated or non-phosphorylated, sulphated or non-sulphated aliphatic hydrocarbon group having from 1 to 28 carbon atoms;

R<sup>2</sup> represents H, a sugar residue, a sulphate residue or a phosphate residue P<sub>1</sub>;

P<sub>1</sub> represents the group;



R<sup>3</sup> represents H, or the sub group (3);

X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup> each individually represent H, C<sub>1-5</sub> alkyl or C<sub>1-5</sub> hydroxyalkyl;

a is 0 or 1

b is 0 or 1

c is 0 or an integer of from 1 to 4

d is 0 or 1;

provided that if a is 0, b is also 0 and the group R has from 1 to 8 carbon atoms;

which comprises the steps of:

(i) ring opening the epoxide ring of a glycidyl ether having

the formula  $\text{R}^4\text{OCH}_2-\text{CH}-\text{CH}_2$  with an amine of formula  $\text{RNH}_2$  to yield the corresponding secondary amine; and

(ii) acylating the secondary amine with an ester or acid chloride of a hydroxylated fatty acid or a non-hydroxylated fatty acid with less than 10 carbon atoms to yield the pseudoceramide.

[Comp. Specn. 43 pages.

Drw. Nil]

Ind. Cl.: 189 LXVI (9)

173884

Int. Cl.: A 61 K 7/48.

AQUEOUS COMPOSITION SUITABLE FOR THE APPLICATION TO HUMAN SKIN.

Applicants: HINDUSTAN LEVER LTD. HINDUSTAN LEVER HOUSE 165/166 BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors:

(1) PHILIP DALE ZEIGLER.

(2) MICHAEL CHARLES CHENEY.

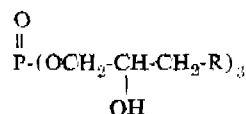
Application No. 56/Bom/1991 filed on 20-02-1992.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, Bombay-13.

### 13 Claims

An aqueous composition suitable for the application to human skin comprising:

(i) from 0.1 to 30% of a quaternary ammonium functionalised phosphate ester wherein the phosphate ester incorporates a structure:



where R is a quaternary ammonium radical having from 5 to 40 carbon atoms; and

(ii) from 0.1 to 10% of a cationic polysaccharide.

(Compl. Specn. 39 pages:

Drwgs. Nil).

Ind. Cl.: 189, Gr. [LXVI(9)]

173885

Int. Cl.: A 61 K-33/16.

HAIR TREATMENT COMPOSITION.

Applicants: HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES, ACT, 1913.

Inventor: ANDREW MALCOLM MURRAY.

Application No. 138/BOM/92. filed on 30-04-92.

G.B. Priority Dt. 03-05-91.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972). Patent Office, Branch, Bombay-13.

### 10 Claims

A hair treatment composition comprising:

(i) from 0.0001 to 0.005% by weight of a perfluoropolyether material; and from 0.005% to about 5.0% by weight of

(ii) a suitable pearlescing agent.

Ind. Cl.: 29D Gr. [XLI(2)]

173886

Int. Cl.: G 11 C-17/00.

G 06 K-1/00.

AN IMPROVED ACCESS CARD.

Applicants & Inventors: PRABHAKAR DEODHAR, INDIAN NATIONAL AT LANDS MARK, CARTER ROAD, BOMBAY 400050 MAHARASHTRA STATE, INDIA, AND LILADHAR SANNABHADRI, INDIAN NATIONAL AT 14 ASHA KIRAN, 132, GARODIA NAGAR, BOMBAY 400 077. MAHARASHTRA STATE, INDIA.

Application No. 151/Bom/92 filed on 12-05-92.

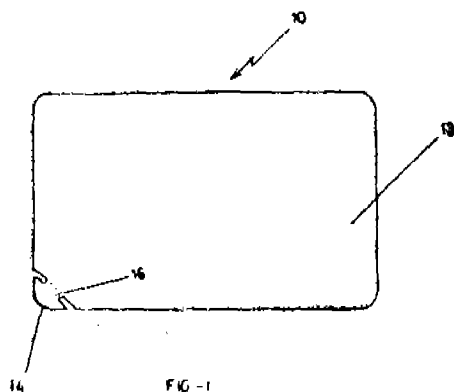
Divisional to 234/BOM/89 filed on 21-08-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

### 3 Claims

An improved access card, comprising :  
a body of sheet element of non-conductive material; an electronic chip bonded within the said body of non-conductive material;

characterised in that one corner of the inserting end of the said card is frangible to permanently separate out from the body of sheet element.



(Comp. Specn. 06 pages,

Drg. 1 sheet)

Ind. Cl. : 28 A [XXXX(1)]

173887

Int. Cl. : F 23 Q 2/02.

AN IMPROVED OIL GUN/BURNER EMPLOYED IN BOILERS/STEAM GENERATING UNITS

Applicant & Inventor: ABHAY RANADE, SUNDER-LAL RAI MARG, RAMDAS PETH, NAGPUR-440 010, MAHARASHTRA INDIA.

Application No. 162/BOM/1992 filed May 18, 1992.

Complete after Provisional left—Apr 13, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

### 1 Claim

An improved oil gun/burner employed in boilers/steam generating units comprising a compact assembly in which sealing between head and inner pipe, head and outer pipe, inner pipe and tip, outer pipe and box nut, tip and nut is accomplished by threads or as a variation by taper seats or faces capable of tapping firm tight bearing, the tip is slipped on the inner pipe with the help of a box nut, tightly screwed on the outer pipe without the use of any gasket or any sealing material; the said tip having drilled through box nut that cooling air is forced through radially drilled holes in the said box nut, the said cooling air enters the tail and flows over the tip thus cooling the tip.

(Compl. Specn. 6 Pages;

Drwg 1 sheet)

Provisional Specification—3 Pages;

Drgs. Nil)

Ind. Cl. : 56 B, D [XXVI]

173888

Int. Cl. : E 06 3/70.

IMPROVED COMPOSITE SHUTTERING PANEL AND METHOD OF MANUFACTURING SUCH SHUTTERING PANELS.

Applicants : NANDINI ARUN BASOLE, B-23 VEEVAN KANCHAN VEERA DESAI ROAD, ANDHERI (WEST) BOMBAY-400 058, MAHARASHTRA, INDIA.

Inventors :

(1) ARUN VISHWANATH BASOLE.

(2) PROF. KISHORI LAL MUNSHI.

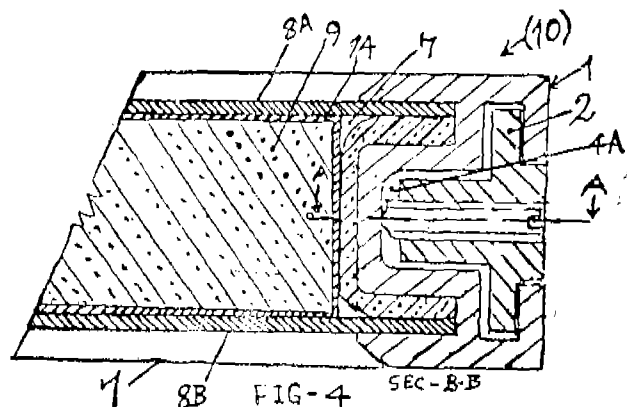
(3) PROF. SUDHAKAR NADKARNI.

Application No. 183/BOM/1992 Filed Jun 5, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

### 17 Claims

Improved composite shuttering panel 10 with or without thermal insulation and with or without vacuum formed artistic designs for being illuminated by concealed lights comprising a frame 12 made from four extruded metal or plastic channel sections 1, each having a pair of spaced slot 1A-1B on its inner side and a cross slot 1C on its outer side leaving a gap 1D therebetween and wherein a divider wall 1E separates said slots 1A-1B and 1E which form seat for slidably fixing thereinto matching sealing gaskets 6 and 3 forming airtight seals therefor; four corner bracket clamps 2 moulded from cast metal or rigid plastics, each matching with said slot 1C and each are thereof carrying tapped holes 2D for respectively plugging said bracket clamps 2 into adjacent slots 1C-1C forming corner channel sections of said frame 12 and clamping thereto by means of screws 11 thereby leaving an air passage 4A therewithin communicating with air passage 4 surrounding outer side of said frame 12 and the inner side of said frame forming a seat for sliding into respective slots spaced 1A-1B and said gasket 6 a pair of spaced sheets BA-BB with or without vacuum formed designs and separated by a spacer box frame 14 leaving gap 15 therebetween forming thermal insulation for being lit by concealed light or said gap 15 being filled with any known adhesively stuck thermal insulation to form said shuttering panel 10.



(Compl. Specn. 26 pages;

Drwgs 5 sheets)

Ind. Cl. : 15C (LIV)

173889

Int. Cl. : F16 C, 33/12.

CONTINUOUS PROCESS FOR MAKING THIN WALLED COMPOSITE MATERIAL CRANK SHAFT BEARINGS.

Applicants : MOHAMMED ANWAR BAIG, 439 BATH ROAD, SLOUGH, SLI 6AR, U.K.

Application No. 192/BOM/1992 filed June 15, 1992.

Comp. after Prov. left—Dec 2, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

### 10 Claims

Continuous process for making thin walled composite material crank shaft bearings comprises the steps of :

(a) unwinding from coiled reel of steel strip and vapor degreasing steel metallic strip of desired width and

thickness having uniform surface finish is uncoiled and passed through a vapor degreaser to clean the surface;

- (b) passing the degreased strip of step (a) through channel forming rolls to cause a slight bend on longitudinal edges on either side of said degreased strip of step (a) to form channel strip;
- (c) passing said channel strip of step (b) through tension rolls to maintain flatness of the strip;
- (d) passing said channeled steel strip of step (c) through an oxidizer unit for oxidizing said bent edges of channeled strip;
- (e) passing the oxidized channel strip of step (d) through preheating and soaking furnaces at or above 1100 deg. C., under controlled condition in neutral atmosphere of 96% nitrogen and 4% hydrogen;
- (f) passing the preheated oxidized channel strip of step (e) through a bronze melting furnace and bronze depositing furnace for continuous pouring and casting of molten leaded bronze alloy under controlled atmospheric conditions on the prepared surface of said channeled strip of step (e);
- (g) passing the product of step (f) through oil quenching unit for slowly cooling down the leaded bronze alloy by layer by layer by spraying oil on steel backing surface of said channeled strip;
- (h) allowing the channeled strip of step (g) to further cool down by passing it through water pad and spray unit for spraying water on steel backing surface to form bimetallic channeled strip;

- (i) shearing the bronzed bent edges of said bimetallic channeled strip of step (h) for recovery and recycling of bronze therefrom and passing said bimetallic strip through pinch and bend rolls;

- (j) passing the product of step (i) through polishing rolls for polishing the steel backing side of said bimetallic strip;

- (k) passing the bimetallic strip of step (j) through milling cutters for milling to a desired thickness the leaded bronze lining on said bimetallic strip and pulling said bimetallic strip by strip by pulling rolls;

- (l) slitting/shearing the bimetallic strip of step (k) to desired size and subjecting slit/shared bimetallic sections respectively to blanking/bending/prooving/notch forming and broaching steps to form semicircular half bearing section;

- (m) indenting in known manner by cutting/shot blasting/stamping/blasting/chemical etching or knurling the leaded bronze lined surface of said semicircular bearing section of step (l) to form discrete indentations of any desired shape/size depth to form interference pattern forming leaded-bronze islands of said bearing section; and

- (n) levelling the indentations on said semicircular bearing of step (m) with metal such as lead or lead/tin by electro-deposition using herein before described formulated plating solution to form thin walled crank shaft bearing.

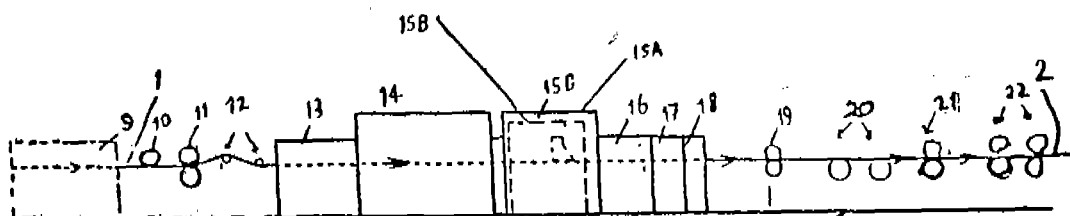


FIG-2

(Compl. Specn. 22 pages;  
Prov. Specn. 11 pages;

Drgs. 6 sheets)  
drgs. 4 sheets)

Ind. Cl. : 179C + X [XL (6)]

173890

Int. Cl. : B 21 D 51/44, 51/00.

#### CHAMFERED CLOSURES.

Applicants: RAJENDRA SOMANI, INDIAN NATIONAL OF ORIENTAL CONTAINERS LTD., 1070, DR. E MOSES ROAD, WORLI, BOMBAY-400 018, STATE OF MAHARASHTRA, INDIA.

Inventor: ULRICH KARL ROETHLISBERGER.

Application No. 389/BOM/92 filed on 03-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office Branch, Bombay-13.

#### 16 Claims

A Chamfered Closure comprising of an inverted cup-shaped member/shell, having a top portion and a side wall portion integrally formed and depending from the said top portion, the said shell being made of metal, the upper portion of the said side wall portion, being provided with a circumferential groove/depression adjacent to the said top por-

tion characterised in that the said upper portion of the side wall portion of the shell above the said groove/depression and below the said top portion being provided with outwardly projecting embossing, the said embossing consisting chamfered to provide glittering surface.

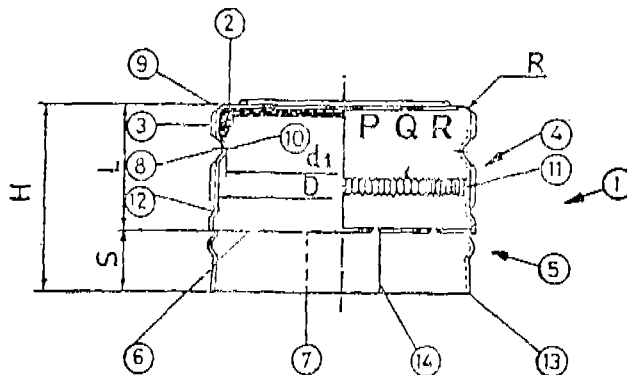


FIG-1

(Comp. Specn. 10 pages;

Drwg 1 sheet)

## PATENT SEALED

ON 1-7-94

172481 172483 172489 172491 172495 172498 172502 172506  
172510 172513 172514 172515 172519.

Cal-4, Mas-3, Bom-3, Del-3.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent.

F—Food Patent.

## RENEWAL FEES PAID

153648 154475 154476 154853 155021 155022 155023 155151  
155178 155179 155266 156644 156985 157086 157151 157198  
157393 157503 157539 157670 157978 158670 158674 158818  
158994 159214 159277 159278 159808 159983 160185 160190  
160354 160539 160540 160761 160845 160868 161289 161465  
161668 161729 161748 161788 161974 161984 162005 162082  
162195 162102 162385 162500 162644 163268 164009 164017  
164140 164265 164269 164525 164607 164608 164610 164845  
164849 164969 164970 164987 165150 165186 165191 165255  
165679 165761 165806 165809 165810 167377 167489 167561  
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170919 170920 170950 170951 170962 170964 171013 171018  
171042 171157 171233 171450 171613 172341 172344 172345  
172348 172350 172353 172354 172357 172358 172359 172360

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169160 granted to Robert Bosch GmbH for an invention relating to "an electro-magnetic Switch in particular for starting devices of internal combustion engines".

The Patent ceased on the 29th July 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th July 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office; Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30-9-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169246 granted to Dr. T. K. Goswami, N. K. Seth & Kwalify Forzen Pvt. Ltd. for an invention relating to "a device for maintaining heat liable forzen articles in the forzen condition."

The Patent ceased on the 9th June 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th July 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office; Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30-9-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169610 granted to Robert Bosch GmbH for an invention relating to "a stator for an electrical machine."

The Patent ceased on the 20th May 1993 due to non-payment of renewal fees within the prescribed time and cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th July 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office; Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30-9-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169724 granted to Dolmine S.P.A. for an invention relating to "sleeveless metal pipe joint".

The Patent ceased on the 12-6-1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th July 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office; Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30-9-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 165850, Indian Oil Corporation Limited, G-9 Ali Yavar Jung Marg, Bandra (E), Bombay-400 051, Maharashtra, India, an Indian company, "HURRICANE LAMP", July 7, 1993.

Class 1. No. 166299, Hussnain International a partnership firm, at Yasmin Garden, Rampur Road, Moradabad-244 001, U.P., India, "FLOWER VASE", October 4, 1993.

Class 1. No. 166292, Hussnain International a partnership firm, at Yasmin Garden, Rampur Road, Moradabad-244 001, U.P., India, "CANDLE HOLDER", October 4, 1993.

Class 1. No. 166238, Sunrise Products Industries, an Indian partnership firm, of 9/104, Yamuna Bridge, Agra (U.P.), India, "REFLEX VALVE", September 22, 1993.

Class 1. No. 166397, Ingenious Appliances Pvt. Ltd., an Indian company organised under the laws of

Indian Companies Act, 1956, whose address is 30, Najafgarh Road, New Delhi-110 015, India, "CONVECTION HEATER WITHOUT BLOWER", October 20, 1993.

Class 1. No. 166558, Vidyut Mettals Ltd., a company registered under Indian Companies Act, 1913, having its registered office at P.O. Wagle Industrial Estate, Thane 400 604, Maharashtra, India, "RAZOR", December 6, 1993.

Class 1. No. 166160, Mahavir Parshad Mangla, sole proprietor Mangla Enterprises, 1-Raj Nagar Enclave, Pitampura, Delhi-110 034, India, "HANGERS", September 13, 1993.

Class 1. No. 165942, Partecipazioni Bulgari S.P.A., an Italian company of Via Gregoriana, 5-Rome, Italy, "EARRING", July 27, 1993.

Class 1. No. 166121 & 166124, Kaiyo Kogyo Kabushiki Kaisha of 1-11, Akihabara, Taito-Ku, Tokyo, Japan, "PUMP", September 3, 1993.

Class 1. No. 166350, Anil Kumar Purshottamdas Shah, Nationality Indian, A/1, Embassy Apts., Excise Chowky, Ambawadi, Ahmedabad-380 015, Gujarat State, India, "PRESSURE REDUCING VAPOURISER", October 12, 1993.

Class 1. No. 166020, Earl Bihari Pvt. Ltd., an Indian company of 148-F, St. Cyril Road, Bandra, Bombay-400 050, State of Maharashtra, India, "LATCH", August 10, 1993.

Class 1. 166120, Kaiyo Kogyo Kabushiki Kaisha of 1-11, Akihabara, Taito-Ku, Tokyo, Japan, "PUMP", September 3, 1993.

Class 1. No. 166339-166340, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "CEILING FAN BLADE", October 11, 1993.

Class 1. No. 166337-166338, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110-019, India, "MOTOR BODY FOR CEILING FAN", October 11, 1993.

Class 1. No. 166336, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "CANOPY FOR CEILING FAN", October 11, 1993.

Class 1. No. 166341, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "BLADE TRIMS FOR CEILING FAN", October 11, 1993.

Class 1. No. 166099, Bajaj Electricals Ltd., an Indian Company incorporated under the Indian Companies Act, having office at 45-47, Veer Nariman Road, Bombay-400 023, in the State of Maharashtra, within the Union of India, "TABLE FAN", August 30, 1993.

Class 1. No. 166259, Goyal Engineers Pvt. Ltd., 34, Transport Centre, Rohtak Road, Delhi-110 035, India, A company incorporated under the Indian Companies Act, 1956, "AUTO IGNITION GAS COCK", September 24, 1993.

Class 1. No. 166290, Vijay Mangla, sole proprietor Mangla Handles, 1-Raj Nagar Enclave, Pitampura, Delhi-34, India, an Indian national, "HANDLE", September 30, 1993.

Class 1. No. 165742, Polar Fan Industries Limited, having its Head Office at Poddar Point, 113, Park Street, 8th Floor, Calcutta-700 016, W.B., India, an Indian company, "CEILING FAN", June 10, 1993.

Class 1. No. 165244, Sahni Copper & Brass Palace, an Indian proprietary firm, "DECORATION PIECE", February 1, 1993.

Class 1. No. 165611, Mrs. Veena Sakhtija, Excel Collections, 1134/9, Durga Chambers, Desh Bandhu Gupta Road, Karol Bagh, New Delhi-5, India, an Indian National, "LAMP RADIO", May 3, 1993.

Class 1. No. 165938, 165939, Partecipazioni Bulgari S.P.A., an Italian Company of Via Gregoriana, 5-Rome, Italy, "BRACELET", July 27, 1993.

Class 1. No. 165862, Shambhu Nath & Bros., an Indian Proprietary firm, "CEILING FAN BOTTOM COVER", July 12, 1993. Address : 47, Bip-labi Anukul Chandra Street, Calcutta-72, W.B., India.

Class 1. No. 166166, An Indian Partnership firm, "ELECTRIC FAN", September 15, 1993. Address : 1/1A, B.A.C., Street, Calcutta-72, W.B., India.

Class 1. No. 165646, Amir Badruddin Petiwala, Adult, Indian national, whose address is Consolidated Steel Mfg. Co., Gala No. 4B, 244, Maulana Azad Road, Bombay-400 008, Maharashtra, India, "TRUNK", May 17, 1993.

Class 1. No. 165252, Parker Pen (Benclux) B.V., a company organised and existing under the laws of the Netherlands, of Parker House, 4817 BL Breda, The Netherlands, "PROPELLING PENCIL", February 2, 1993.

Class 1. No. 165767-165768, Taurus Impressions, INC, a California corporation, having a place of business at 1685, Plymouth Street, Mountain View, California 94043, United States of America, "DEBOSSMENT STAMPER FOIL TAPE CHARACTER CARTRIDGE", June 18, 1993.

Class 1. No. 165828, R. P. Metal Sections (P) Ltd, a company registered as per the Indian Companies Act, and having office at 14/15A & 14/3A, Deevatige Ramanahalli, Opp.: BHEL, Mysore Road, Bangalore-560 039, Karnataka, an Indian Company, "ROLLING SHUTTERS", July 2, 1993.

Class 11. No. 166447, Financiere Des Applications De L'Electricite S.A., a Belgium Company of Rue De Lusambo 67-1190, Bruxelles, Belgium, "LIGHTING APPARATUS", October 29, 1993.

Class 1. No. 166126, Kaiyo Kogyo Kabushiki Kaisha of 1-11, Akihabara, Taito-Ku, Tokyo, Japan, "PUMP", September 3, 1993.

Class 1. No. 166693, Samrat International, an Indian Proprietary firm, "ELECTRIC IRON", January 13, 1994. B-5/118, Yamuna Vihar, Delhi-110 053, India.

Class 1. No. 166218, Bata India Limited, 30, Shakespeare Sarani, Calcutta-17, W.B., India, "FOOTWEAR", September 20, 1993.

Class 1. No. 166224, Konarak Industria, an Indian Partnership firm, at No. 22, Banashankri II Stage, Industrial Lay-Out, Bangalore-560 070, Karnataka State, India, "EMERGENCY LAMP", September 20, 1993.

Class 1. No. 166497, Bajaj Auto Ltd., Akurdi, Pune-411 035, Maharashtra, India, an Indian Company, "MOTORCYCLE", November 15, 1993.

Class 1. No. 165945, Coex Packaging (India) Pvt. Ltd., an Indian, F/76, White House, Panchvati, Ambawadi, Ahmedabad-380 006, Gujarat (India), "BOTTLE FOR FOOD GRADE LIQUID", July 27, 1993.

Class 1. No. 166122-166123, Kaiyo Kogyo Kabushiki Kaisha of 1-11, Akihabara, Aito-Ku, Tokyo, Japan, "PUMP", September 3, 1993.

Class 1. No. 165974, Hindustan Lever Limited, an Indian Company of Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400 020, Maharashtra, India, "DISTRIBUTION VEHICLE/CARRIER", August 3, 1993.

- Class 1. No. 165267-165268, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956, having its office at Eagle Estate, Talegaon-410 507, District Pune, in the State of Maharashtra, within the Union of India, "THERMOS", February 3, 1993.
- Class 1. No. 165266, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956, having its office at Eagle Estate, Talegaon-410 507, District Pune, in the State of Maharashtra, within the Union of India. "CASSE-ROLE", February 3, 1993.
- Class 1. No. 166492—166495, Ravi Gupta, an Indian national of 12, Sham Nath Marg, New Delhi-110 054, India, "CLOTHES", November 12, 1993.
- Class 1. No. 164941, Ramesh Industries, 775, General Head Quarters, Ulhasnagar-421 003, Dist. Thane, Maharashtra State, India, An Indian Proprietary firm, "STOVE BURNER", November 9, 1992.
- Class 1. No. 166426, Moniba Anand Electricals Pvt. Ltd., a company incorporated under the Companies Act, at Plot No. 1, Chandivali, Off Saki Vihar Road, Andheri (East) Bombay 400 072, State of Maharashtra, India, "WATER PURIFIER", October 26, 1993.
- Class 1. No. 166181, Gulf International Lubricants Limited, a company incorporated and existing under the laws of Bermuda, having its registered office at Cedar House, 41, Cedar Avenue, P.O. Box : HM 1179, Hamilton 5-24, Bermuda, "CONTAINER", September 16, 1993.
- Class 1. No. 164885, Samrat International, B-5/118, Yamuna Vihar, Delhi-110 053, India, An Indian Proprietary firm, "ELECTRIC IRON", October 13, 1992.
- Class 1. No. 165936, Bulgari Time (Switzerland) S.A., a Swiss company of 34, Rue de Monruz-2008 Neuchatel, Switzerland, "WRISTWATCH", July 27, 1993.
- Class 1. No. 165827, Indian Oil Corporation Limited, G-9, Ali Yavar Jung Marg, Bandra (E), Bombay-400 051, Maharashtra, India, an Indian company, "BASE PLATE FOR USE IN A HURRICANE LAMP", July 2, 1993.
- Class 1. No. 165755, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410 507, Pune, Maharashtra, India, "THERMOS JUG", June 14, 1993.
- Class 1. No. 166140, Frederick Michael De Souza, Indian National, of Frederick Manor, Dona Paula, Goa-403 004, in the State of Goa, within the Union of India, "CANOPY FOR CEILING FAN", September 7, 1993.
- Class 1. No. 165772, Jayanti Enterprise of No. 8, Bidhan Palli, Calcutta-700 084, W.B., India, "ELECTRICAL METAL SHEET 'MAIN SWITCH'", June 21, 1993.
- Class 1. No. 166247, The Jay Engineering Works Ltd., an Indian Company of 23, Kasturba Gandhi Marg, New Delhi-110 001, India, "TABLE FAN", September 23, 1993.
- Class 1. No. 166246, The Jay Engineering Works Ltd., an Indian Company of 23, Kasturba Gandhi Marg, New Delhi-110 001, India, "TABLE FAN" September 29, 1993.
- Class 1. No. 165378, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "THERMOS", February 24, 1993.
- Class 1. No. 166549—166551, 166554 & 166556, Prakash Trading Corporation, 527, Kucha Pati Ram, Bazar Sita Ram, Delhi-110 006, India, a Partnership firm, "DOOR HANDLE", December 6, 1993.
- Class 1. No. 165277, Racold Appliances Limited, Vandhna, 11, Tolstoy Marg, New Delhi-110 001, India an Indian company, "AIR COOLER GRILL", February 5, 1993.
- Class 1. No. 165415-165416, Vinodkumar Sunderji & Smt. Taraben Sunderji, an Indian Registered Partnership firm at B/32, Shankertekari Udyognagar, Jamnagar-361 004, Gujarat State, India, "WEAK-STOVE", March 10, 1993.
- Class 1. No. 166180 & 166183, Gulf International Lubricants Limited, a company incorporated and existing under the laws of Bermuda, having its registered office at Cedar House, 41 Cedar Avenue, P.O. Box. HM 1179, Hamilton 5-24, Bermuda, Africa, "CONTAINER", September 16, 1993.
- Class 1. No. 165844-165845, Castrol India Limited, an Indian Company, incorporated in India, White House, 91, Walkeshwar Road, Bombay-400 006, State of Maharashtra, India, "CONTAINER", July 5, 1993.
- Class 1. No. 166516, Sami Mohd. Khan, Indian nationals, Proprietor of M/s. Jaico Whistle Company, Tandon Para, Aligarh, Uttar Pradesh, India, "WHISTLE", November 26, 1993.
- Class 1. No. 165830, Workwell Engineering India, a registered Indian partnership firm, at Room No. 307, Bando House, 29, Ganesh Chandra Avenue, Calcutta-700 013, W.B., India, "MECHANICAL STARTER FOR INTERNAL COMBUSTION ENGINES", July 2, 1993.
- Class 1. No. 165488, Rajendra Metal Works, an Indian Partnership firm of 27, Hari Nagar, Aligarh-202 001, U.P., India, "HANDLE", April 1, 1993.
- Class 1. No. 165644, International Business Machines Corporation, a company organised and existing under the laws of State of New York, United States of America, of Armonk New York 10504, U.S.A., "COMPUTER HOUSING", May 13, 1993.
- Class 1. No. 167051 to 167086, Chief Controller, Department of Defence Research and Development, Defence Research and Development Organisation, Ministry of Defence, Government of India, Sena Bhawan, New Delhi-110 011, "ENDOSSEOUS DENTAL IMPLANTS", March 22, 1994.
- Class 1. No. 165934, Envirotech Instruments Private Limited, A-271, Okhla Industrial Area, Phase I, New Delhi-110 020, India, "RESPIRABLE DUST HIGH VOLUME SAMPLER", July 26, 1993.
- Class 1. No. 166633, Ershad Hossain and Smt. Gurdeep Hossain both Indians and both of 42/A, Hare Krishna Konar Road, Calcutta-700 0014, W.B., India, "TUBE PRESSURE SENSING ELEMENT", December 30, 1993.
- Class 1. No. 166145, Pieco Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 018, Maharashtra, India, an Indian Company, "CONTROL GEAR BOX FOR LUMINAIRE", September 8, 1993.
- Class 1.. No. 166179, TVS-SUZUKI LIMITED, an Indian company having its registered office at "Jaya-lakshmi Estate", 5th Floor, 8 Haddows Road, Madras-600 006, Tamil Nadu, India "SCOOTER", September 16, 1993.
- Class 1. No. 166153, Suhas Madhukar Ante, at 303, Shalaka, Maharshi Karve Road, Bombay-400 020, in the state of Maharashtra, within the Union of India, "DISPLAY DEVICE", September 13, 1993.
- Class 1. No. 166155, T T Limited, an Indian Company, having its principal place of business at No. 78, Old Madras Road, Dooravani Nagar, Bangalore-560 016, Karnataka, India, "TAWA", September 13, 1993.
- Class 1. No. 166156, T T Limited, an Indian Company, having its principal place of business at No. 78, Old Madras Road, Dooravani Nagar, Bangalore-560 016, Karnataka, India, "PRESSURE COOKER", September 13, 1993.

- Class 1. No. 166287, V. K. Metal Industries, 4193, Gali Daroga, Jogiwara, Nai Sarak, Delhi-110 006, India, an Indian partnership firm, "TOWER BOLT", September 30, 1993.
- Class 1. No. 166288, V. K. Metal Industries, 4193, Gali Daroga, Jogiwara, Nai Sarak, Delhi-110 006, India, an Indian partnership firm, "TOWER BOLT", September 30, 1993.
- Class 1. No. 166289, V. K. Metal Industries, 4193, Gali Daroga, Jogiwara, Nai Sarak, Delhi-110 006, India, an Indian partnership firm, "DOOR-HANDLE", September 30, 1993.
- Class 1. No. 166042, Reco Industries, 178, Chhajipur, Shahdara, Delhi-110 032, India, an Indian Proprietary firm, "FIVE IN ONE GRATER", August 17, 1993.
- Class 1. No. 166041, Reco Industries, 178, Chhajipur, Shahdara, Delhi-110 032, India, an Indian Proprietary firm, "FOUR IN ONE GRATER", August 17, 1993.
- Class 1. No. 166481, Lallubhai Amichand Limited, a company incorporated under the Companies Act, of 48/50, Kansara Chawl, Kalbadevi Road, Bombay-400 002, State of Maharashtra, India, "WHISTLING KETTLE", November 9, 1993.
- Class 1. No. 165512, Earl Bihari Pvt. Ltd., an Indian company of 148-F, St. Cyril Road, Bandra, Bombay-400 050, State of Maharashtra, India, "HINGE", April 12, 1993.
- Class 1. No. 166334, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "CEILING FAN", October 11, 1993.
- Class 1. No. 165494, Media Satellite and Telcom Limited, B-86/1, Okhla Industrial Area, Phase II, New Delhi-110 020, India, an Indian Company, "LOW NOISE BOOSTER FOR DISH ANTENNA", April 2, 1993.
- Class 1. No. 165493, Media Satellite and Telcom Limited, B-86/1, Okhla Industrial Area, Phase II, New Delhi-110 020, India, an Indian Company, "DISH ANTENNA", April 2, 1993.
- Class 1. No. 165443 & 165444, CSIR, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the registration of Societies Act (Act XXI of 1860) and Engineers India Ltd., a company incorporated under Companies Act, 1956, and having its registered office at EI House, 1, Bhikaiji Cama Place, New Delhi-110 066, India, "ANGULAR CORRUGATED PERFORATED SHEET", March 22, 1993.
- Class 1. No. 166601, Kosan Teknova A/s, a Danish Company of Mllevej 9, DK-2990, Niva, Denmark, "A DISCHARGE REGULATOR FOR A LIQUIFIED GAS CONTAINER", December 20, 1993.
- Class 1. No. 165774, Liftwell Engineers, 37, Neelam Chowk, N.I.T., Faridabad (Haryana), India, an Indian Proprietary firm, "CHAIN PULLEY BLOCK", June 22, 1993.
- Class 1. No. 165219, Polybond India Pvt. Ltd., 27, Shankarshet Road, Pune-411 037, Maharashtra State, India, a Private Limited Company duly registered and incorporated under the Companies Act, "ANTI VIBRATION MOUNTING", January 28, 1993.
- Class 1. No. 165204, Shivram Sitaram Sagar 327, Ghornade Peth, Near Police Chowki, Pune-411 042, Maharashtra State, India, "A LABORATORY TYPE SHAKER", January 20, 1993.
- Class 1. No. 165569, Chakiath Kuruvilla George, Chakiath House, Jayakeralam Road, Kuthukuzhi P. O., Kothamangalam-686 691, Kerala, India, "SMOKE HOUSE FOR RUBBER SHEETS", April 20, 1993.
- Class 1. No. 165435, Elegance Tablewares, of 2, Sanjay Mittal Industrial Estate, Andheri Kurla Road, Andheri (E), Bombay-400 099, Maharashtra, India, an Indian Partnership firm, "HANDLE FOR CUTLARY", March 17, 1993.
- Class 1. No. 165440, Luxmi Ancillaries Private Limited, an Indian Company, E-42/3, Okhla Industrial Area, Phase II, New Delhi-110 020, India, "COOKING RANGE", March 22, 1993.
- Class 1. No. 166559, Vidyut Metallics Ltd., a Company registered under Indian Companies Act, 1913, having its registered office at P.O. Wagle Industrial Estate, Thane-400 604, Maharashtra, India, "RAZOR", December 6, 1993.
- Class 1. No. 165514, The Thermas Company, a Corporation organised and existing under the laws of the State of Illinois, U.S.A., having its principle office and place of business in the city of Freeport, State of Illinois, U.S.A., "BARBECUE GRILL", April 12, 1993.
- Class 1. No. 165414, Jamnagar Tin Factory, an Indian Registered firm at B/32, Shankertekari Udyognasar, Jamnagar-361 004, Gujarat, India, "TOP COVER FOR WEAK STOVE", March 10, 1993.
- Class 1. No. 166177, Swan Vacuum Systems Ltd., 8-2-540/3, Road No. 4, Banjara Hills, Hyderabad-500 034, A.P., India, a company duly organised and existing under the laws of the Union of India, "VACUUM FLASK", September 16, 1993.
- Class 1. No. 165937, Bulgari Time (Switzerland) S.A., a Swiss Company of 34, Rue de Monruz 2008 Neuchatel, Switzerland, "WRISTWATCH", July 27, 1993.
- Class 1. No. 166632, Ershad Hossain and Smt. Gurdeep Hossain both Indians and both of 42/A, Hare Krishna Konar Road, Calcutta-700 014, West Bengal, India, and of above address, "PRESSURE GAUGE", December 30, 1993.
- Class 1. No. 166333, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "CEILING FAN", October 11, 1993.
- Class 1. No. 166335, Metro Appliances Ltd., an Indian Company, 17-19, Devika Tower (5th Floor), 6th Nehru Place, New Delhi-110 019, India, "CANOPY FOR CEILING FAN", October 11, 1993.
- Class 1. No. 166571—166574 & 166576, The Jay Engineering Works Ltd., an Indian Company of 23, Kasturba Gandhi Marg, New Delhi-110 001, India, "SEWING MACHINE", December 7, 1993.
- Class 1. No. 166092—166094, Eagle Flask Industries Limited, a Company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410 507, Pune, Maharashtra, India, "FLASK", August 27, 1993.
- Class 1. No. 166311, Earl Bihari Pvt. Ltd., an Indian Company of 148-F, St. Cyril Road, Bandra, Bombay-400 050, State of Maharashtra, India, "CRES-CENT LOCK", October 5, 1993.
- Class 1. No. 166803, Earl Bihari Pvt. Ltd., an Indian Company of 148-F, St. Cyril Road, Bandra, Bombay-400 050, State of Maharashtra, India, "CRANK-ED LATCH", February 8, 1994.

R. A. ACHARYA,  
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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,  
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1994